Kelsey Gaetjens

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Software Engineering & GIS Skills

ArcGIS, geoprocessing, spatial analysis, map production, ModelBuilder, Python, Microsoft Access, Python, PostgreSQL, Sequelize, MS-SQL, MongoDB, Mongoose, Neo4j (Graph DB), Cypher, JavaScript, HTML, CSS, React.js, Redux, Node.js, Express.js, REST API, Mustache, Pug, Git

Degrees and Certificates

DigitalCrafts, Houston, TX
Certificate in Web Development   Expected October 2019
DigitalCrafts is a top-rated 16 week full-stack coding bootcamp; topics covered include Python, HTML, CSS, Javascript, Node.js, Express.js, React, Redux, PostgreSQL, MongoDB, Git, and more

UC Davis, Online
Certificate in Geographic Information Systems (GIS)   Expected October 2019

Williams College, Williamstown, MA
BA in Institutions and Decision-Making in Public Health   June 2013
Recipient of the prestigious Stephen H. Tyng Scholarship, and Truman Scholarship Finalist

Recently Completed Projects

Walkable, Houston, TX
kjgaetjens.github.io/walkable.html | github.com/kjgaetjens/walkable
- Built a citizen participation and geospatial analysis site that allows users to send their location, and allows admins to cluster, analyze, and visualize location data, or export coordinate tables
- Built with JavaScript, Node.js, Express.js, PostgreSQL, Sequelize, React.js, Redux, HTML, CSS

Purple, Houston, TX
purplemap.surge.sh | github.com/kjgaetjens/purplemap
- Member of a 4-person development team building a location scoring site that allows users to receive an evaluation of an address based on factors that are important to them
- Primary responsibilities included integrating Google Maps API to retrieve location data, development of Score Report page, and UI updates to Nearby Places and Profile pages
- Built with JavaScript, HTML, Sass, REST API, Firebase Cloud Firestore (NoSQL database)

Broken Street Fighter, Houston, TX
broken-street-fighter-2.herokuapp.com | github.com/kjgaetjens/bsf
- Member of a 2-person team building an impact analysis site that allows users to determine which actions they can no longer use if one of their video game controls is broken
- 2-day "useless app" rapid project; learned Neo4j (graph database) and Cyper (querying language), and used them to create and utilize a database modeled off of network and IT operations
- Primary responsibilities included creation of Neo4j database and integration with Node.js, writing parameter-based Cypher queries used to analyze impact, development of Express.js routes
- Built with JavaScript, Node.js, Express.js, Neo4j (graph database), Cypher, HTML, CSS, Mustache

TicketPug, Houston, TX

- Member of a 4-person team building an e-commerce site that allows users to buy concert tickets
- Primary Responsibilities included creation of database scheme and Sequelize ORM migrations and models, development of Billing and Confirmation pages and associated Express.js routes, and integration with TicketMaster API, PostgreSQL database, and Stripe payment application
- Built with JavaScript, Node.js, Express.js, REST API, PostgreSQL, Sequelize, HTML, CSS, Pug

Work and Experience

QuestBridge, Palo Alto, CA (Remote)

Business Systems Analyst   September 2017 to June 2019
- Managed and executed the in-house development and/or implementation for Salesforce Community Cloud and CRM, Almabase Alumni Portal and CRM, and internal Jira system
- Product Owner for 4-person Scrum-Agile team developing/implementing a client site for College partners and an associated CRM for internal staff
- Led the development of data architecture, ETL and document delivery processes, and systems integrations for Salesforce and Almabase systems
- Managed UI/UX design and development for Salesforce Community Cloud; collaborated with UI/UX designer, web developer, and key stakeholders
- Wrote custom CSS for Salesforce Partner Portal client site
- Identified and resolved multiple bugs found in web application developed by former contractor
- Utilized Jira automation tool and JSON to automate complex task management workflows

Providence Health & Services, Mission Hills, CA

Business Intelligence Analyst   April 2017 to September 2017
- Helped transform legacy data environment into Enterprise Data Warehouse for integration with electronic health record system and improved access to multi-sourced historical data
- Updated MS SQL stored procedures and validated against legacy system as part of data warehouse conversion effort
- Gathered requirements for, and developed, SQL-based business reports (SSRS) for decision support

REAL Software Systems, Woodland Hills, CA

Business Systems Analyst / Project Manager   April 2016 to April 2017
- Managed key implementation issues for Fortune 100 company
- Managed key implementation issues including AWS server setup, database growth, web application performance, statement generation, etc.
- Managed scope, budget, timeline, and work breakdown for system upgrade projects
- Led process improvement for nightly ETL of over 3 million records of data
- Utilized MS SQL profiling and querying to isolate database bug causing ETL failure
- Developed MS SQL queries to facilitate data reconciliation and business processes
- Contributed to development of KPI reports for sub ledger containing over 20,000 accounts

Archetype Consulting, Cambridge, MA (Remote)

Business Systems Analyst   November 2015 to April 2016
- Developed strategies for operationalization and execution of over 30,000 health insurance renewals
- Developed alternative business processes for case workers using Health Insurance Exchange CRM
- Led requirements gathering and system design for Medicaid-renewal data verification module

Exeter Group, Boston, MA

Senior Business Systems Analyst   August 2013 to October 2015

- Led cross-functional teams through all stages of SDLC for ACA Health Insurance Exchanges and Integrated Eligibility solutions impacting over 50,000 individual and small business users
- Led team through design and development of application prototype; presented demo to executive leadership
- Gathered and analyzed requirements and process/data flows from a variety of sources, including clients, vendors, SMEs, and state and federal policy
- Facilitated sessions with clients, support teams, and SMEs to identify pain points and value gaps
- Developed detailed specifications, business cases, and/or user stories for over 10 key modules
- Designed UI/UX, including wireframes, mockups, screen flow, and information architecture for client application using persona profiles, task analysis, and comparative analysis
- Led effort to create Python+VBA script to automate updates and cleanup for thousands of documents per release

Williams College, Williamstown, MA

Health Economics Research Assistant June 2012 to September 2012
- Assisted with health economics research focusing on the ACA Medicaid expansion, the take-up of social benefit programs, and the relationship between FMRs and SNAP usage
- Compiled data on states' responses to Medicaid expansion ruling and manipulated data using Stata
- Analyzed hygienist index and data sources to determine requirements for creating new index

Acumen, New York, NY

Marketing and Recruitment Fellows Intern May 2012 to July 2012
- Worked with the Leadership team to develop marketing and recruitment strategy and materials for the Global Fellows and Regional Fellows programs
- Compiled and analyzed data for recruitment strategy and donor presentations, including identification and competitive analysis of Acumen's 13 most similar competitors
- Identified over 30 potential leads in Pakistan to support development of recruitment pipeline

QuestBridge, Palo Alto, CA

QSN Program Development Intern June 2011 to August 2011
- I worked with the QSN team to devise and implement strategies for program development and growth
- Analyzed quantitative and qualitative data collected via focus groups, surveys, etc. to drive development of QSN program
- Assisted in organizing and executing College Prep conferences for over 500 high school juniors each

State of Hawaii, Lihue, HI

Department of Health Intern December 2010 to January 2011
- CDC funded project aiming to reduce obesity in Kauai and Maui counties through implementation of policies, systems, and environmental changes
- Analyzed data on farmers' markets and bus routes for the county of Kauai to assess accessibility
- Wrote report with recommendations, resulting in changes to county's transportation infrastructure

Volunteer Experience

Public Speaking (Various Organizations**)**
- Speaker at Horatio Alger Conference; spoke to approx 150 student and adult recipients of the Horatio Alger Award about my experiences growing up in poverty
- Speaker at Kauai Public Hearing; spoke to Kauai Councilmen and Councilwomen on the benefits of expanding public transportation on Kauai

- Presenter/Quest Ambassador at 3 public high schools; spoke to approx 20 students per school about the Quest Scholars Program and the possibility of attending a top-tier college as a low-income student
- Speaker at EPHTalks; spoke to approx 50 students about food consumption
- Speaker at Food Week; spoke to approx 25 students about growing up in poverty and my experiences with food
- Speaker at Quest Storytime; spoke to approx 15 students (5 at a time) about the intersection between my ethnic background and socioeconomic background
- Taught class for Introduction to Public Health at Williams College, approx. 40 students; taught class on medical anthropology
- Speaker at Quest Scholars College Prep Conference; spoke to approx 300 students and 200 parents on the benefits of attending a top-tier college as a low-income student
- Panel Speaker at Nickel and Dimed: Students in Action; spoke to and answered questions for approx 25 students about experiences working to combat poverty

Horatio Alger Association
- Conduct student outreach and alumni engagement outreach
- Participate in care package program
- Serve as a mentor to current Horatio Alger scholars

QuestBridge
- Co-led the initial research and roll-out of Alumni Association, including creation of strategy deck, key messaging, organization plan, and roll-out plan
- Conduct student outreach and assist with programming
- Serve as a mentor to current QuestBridge scholars and recent graduates