MARK E. MANDELL

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SKILLS & TECHNOLOGIES

Languages: JavaScript (ES5, ES6), Python
Technologies: HTML5, CSS3, SASS, React, REST APIs, Git, Postgres, MySQL, Django, Node.js, Express, Elasticsearch, Amazon Web Services, React Native
Skills: Agile Development, Test-Driven Development

WORK EXPERIENCE

Software Engineer   **Dec. 2018 – Present**
Stanford University
- Improved gene curator efficiency for the analysis and submission of medical and genetics data, through the design and implementation of new features and improvements to existing ones
- Reduced the number of help-desk requests by 50% via bug fixes and quality assurance of new features, utilizing test-driven development
- Determined the long-term vision of the gene/variant curation interfaces for ClinGen's open-source application by working closely with external stakeholders and engineers within the consortium
- Significantly increased the number of variants a clinician can curate at any given time through the development of a scalable, bulk-upload Variant Prioritization service
- Enhanced code maintainability and development velocity with a small team of engineers, migrating legacy code to a microservices architecture using Amazon Web Services and other modern frameworks

Freelance Web Developer   **March 2018 – Dec. 2018**
Upwork
- Using JavaScript and PHP, develop WordPress plugins and functionality of client sites
- Redesign front-end and rebuild client sites using WordPress, HTML, and CSS
- Implement responsive design using media queries to make client sites mobile-friendly

EDUCATION

General Assembly   **Sept. 2018 - Dec. 2018**
Web Development Immersive (Full-time)
- Immersive focused on the software development environment and the basics of computing, networks, and data structures
- Developed the skills to build applications that meet user needs, model data, develop wireframes, and worked collaboratively through version control
- Learned to build applications from the ground up using key programming languages and frameworks
- Worked as a team utilizing Git and GitHub while executing software engineering projects in an Agile development workflow

University of Florida, Gainesville, FL   **August 2018**
College of Agriculture & Life Sciences
Bachelor of Science in Biology – Natural Sciences