

Carly A. Frederick

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WORK EXPERIENCE

- Front-End Developer**, Swoop Search, LLC., Madison, WI January 2017 – Present
- Collaborate in a small team (10 person) environment at a venture-backed startup that develops an enterprise search and data management software product for the government and healthcare industries
 - Serve as a leading front-end engineer, identifying usability and developing an intuitive user experience of a multi-parameter search engine application using React
 - Develop back-end functions for communication with Django models and PostgreSQL and Cassandra databases to ensure valid data submission between front-end and back-end through SuperAgent HTTP requests
 - Contribute to a large codebase with a focus on code efficiency and reusability and optimal performance
 - Create proper inline documentation and unit tests, test front-end code in multiple browsers, and perform troubleshooting while consulting UI best practices and code standards (including front-end package updates)
 - Design UI to incorporate a patented, multi-parameter search interface along with other company-specific features
 - Review codebase through group code review sessions to ensure code optimization before incorporation in the main development codebase through pull requests
 - Configure and create UI elements for several data structures and types, including text, geography and time
- Health Industries Associate**, PwC Management Consulting, New York, NY August 2015 – January 2017
- Led a digital IT team at a global pharmaceutical company in the design, development and deployment of a FDA Class I Mobile Medical Application, including 4 app releases in Apple's App Store
 - Developed digital and business strategies for a client's multi-million-dollar integrated cloud-based diabetes management platform, including coordination of 3 FDA Class II Medical Devices, 2 FDA Class II Mobile Medical Applications and 2 online portals
 - Created several deliverables for a client's integrated cloud-based business application for clinical trial managers, including resource modeling, project management, sprint planning and scrum support
 - Managed financial contracts with multiple clients, including internally managing time and travel expenses and submitting and processing monthly client invoices
 - Performed industry analysis on digital trends in the animal health industry and recommended best digital practices for a top global animal health company
 - Coordinated and conducted several client workshops focused on digital health ideation and advancement to guide digital health product roadmaps and investments

TECHNICAL SKILLS

Front-end tools

- **Advanced:** JavaScript (ES6), React, Redux, CSS/Sass, NodeJS, HTML5, Material UI
- **Proficient:** Webpack, Yarn, SuperAgent, D3, SVG, Leaflet

Additional workflow tools

- Python, Django, Redis, GitHub, GitLab, PostgreSQL, Cassandra, Slack, Socket.IO

EDUCATION

University of Miami, College of Engineering, Miami, FL
Bachelor of Science, Biomedical Engineering
Magna Cum Laude, University Honors Program, University Scholarship, Tau Beta Pi Honor Society

May 2015
GPA 3.86/4.00