

Ethan Y. Hong

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WORK EXPERIENCE

FUSE BY CARDINAL HEALTH | JUNIOR SOFTWARE ENGINEER

July 2018 – Present | Dublin, OH

Primary responsibilities:

- Revitalizing and modernizing an existing 20+ year old solution through a UI/UX revamp effort, ultimately presenting solution to customers at company trade show, which received enthusiastic interest and immediate sign-up for upgrade by over 80% of existing customers.
- Engaging in full-stack web development with an emphasis on UI/UX and front-end for a SaaS pharmacy inventory management solution using Angular, Spring Boot, and Microsoft SQL Server.
- Integrating with existing enterprise software solutions using Pivotal Cloud Foundry and Concourse for CI/CD, and emphasizing a test-driven development mindset using Saucelabs with Cucumber and Groovy for BDD and additional testing in each application layer.
- Collaborating with multiple business units each day while following software and design methodologies such as pair programming and agile development to understand and integrate customer feedback into immediate and impending development sprints as necessary.

Additional responsibilities:

- Co-designed and executed UX research interviews at company trade show, focusing on understanding customer usage patterns. Data is used to guide the design process and designate priorities for the upcoming fiscal year.
- Contributed to the design and development of a native Android app used at company trade show for pharmacy lead generation. App compares utilized vs. total potential dollar savings to guide pharmacies in using our SaaS solutions.
- Performed and presented ethnographic research on code-writing and the development process, centered on software engineers. With support from ethnography and UX experts, we dissected the development process from feature conception to feature delivery. Analyzed and examined the process for areas of engineer bias in code-writing (whether beneficial or harmful) for analytical use with the software engineering department.
- Continuing to participate in company outreach programs, such as leading science after-school programs for elementary students without science curricula, and co-leading an intro to website design workshop at Fuse CodeCamp, a day of coding and learning for middle school and high school students.

FUSE BY CARDINAL HEALTH | SOFTWARE ENGINEERING INTERN

May 2017 – August 2017 | Dublin, OH

- Developed a full stack web application using Angular, Spring, and MySQL that aimed to rejuvenate a preexisting pharmaceutical utilization product through dynamic data visualizations and greater customer interactivity.
- Actively participated in agile software development including interfacing with hospital clinical directors to understand critical problem statements, discussing feasibility, and producing content with iterative feedback.
- Emphasized sustainable software through test-driven development, code reviews through pair programming, and version control.

UNIVERSITY OF MICHIGAN SCHOOL OF SOCIAL WORK | RESEARCH ASSISTANT

September 2015 – April 2016, July – August 2016 | Ann Arbor, MI

- Studied the effects of an iPad app intervention developed with community-based participatory research to reduce tobacco consumption and promote safe sexual behavior among adolescents.
- Co-authored a literature review on youth-focused technology-based interventions aimed at HIV/STI, drug use, and safe sexual behavior education.

EDUCATION

University of Michigan, Ann Arbor, MI

Graduated April 2018

B.S. Double Major | Computer Science and Biomolecular Science | GPA: 3.5