

SHANNON FERGUSON

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EDUCATION

University of Illinois at Urbana-Champaign, Grainger College of Engineering
Bachelor of Science in Computer Science, James Scholar,
Hoeft Technology and Management Minor Program

Expected Graduation: May 2022
GPA: 3.72/4.00

WORK AND PROJECT EXPERIENCE

M1 Finance

Chicago, IL

iOS Engineering Intern

May 2020 – present

- Engineered Swift code for the M1 Finance iOS mobile app that was pushed to production on the App Store after my first week
- Integrated a reset password deep link into the iOS application that initiates a reset password mutation when the link is clicked
- Contrived a new GraphQL mutation and Apollo request to reset a user's password upon completion of the reset password flow

COVID-19 World Medical Students Web App

Virtual

Fullstack Developer

May 2020 – present

- Allied with the World Medical Students Association to create a plan for a web app whose goal is to help inform and connect the people of Cameroon, Africa to COVID-19 relief resources and medical students
- Collaborated with three other developers to engineer worldmedicalstudents.github.io using HTML/CSS and Javascript
- Constructed the design and mockups for the web app that were reviewed and approved by the World Medical Students

Fulcrum Global Technologies

Chicago, IL

Software Engineering Intern

May 2019 – August 2019

- Co-founded upHold (uphold.pro), a client relationship management software targeted towards attorneys working at large firms
- Developed a mobile and web app, using React, HTML/CSS, Swift, and Python, that creates and utilizes robust profiles for the attorney's clients to suggest outreach options and generate automated emails based on current news and trends
- Represented Fulcrum at the International Legal Technology Association Conference in Orlando, FL by pitching and performing technical demonstrations of Fulcrum's start-up ideas to lawyers from all around the world

Optumize HackIllinois Project

Champaign, IL

Frontend Team Developer

February 2019

- Worked on a team of six developers to contribute to Optum's open source project that aims to find the most time-efficient and cost-effective route that therapy nurses should take between patients' homes
- Integrated the Google's Map API into an iOS application that draws a line over the optimal route between addresses based on the time of day, type of therapy being performed, and traffic status
- Spearheaded the user interface design of the mobile application and created a graphically clean interface using Xcode's Interface Builder and Swift

Scan2Plan Project

Champaign, IL

Co-founder and Fullstack Developer

September 2018 – December 2018

- Created a mobile application using Swift that uses the iPhone camera to detect upcoming events from posters and Facebook events and imports the date, time and location directly into the user's calendar application
- Employed Google's MLKit text detection and Natural Language Processing to detect potential events from blocks of text
- Implemented an upload photo feature that allows the user to choose their own photo by requesting permission to access the camera roll and searching the user-chosen photo for text and potential events

LEADERSHIP DEVELOPMENT

J.P. Morgan Sophomore Edge Conference - Selected through an interview process to engage in a series of virtual events focused on engaging with students and recruiters from around the world to expand my knowledge of J.P. Morgan Chase as a company

Silicon Valley Entrepreneurship Workshop - Nominated as 1 of 25 from a pool of 400 applicants to attend a week long intensive workshop visiting Silicon Valley start-up companies such as Tesla, Apple, Intel, Impossible Foods, C3.ai, and Malwarebytes

Phi Gamma Nu Professional Business Fraternity - Selected as 1 of 18 from a pool of 400+ applicants to join a new member class focused on professional development and serving the community of Urbana-Champaign

Founders Illinois Entrepreneurs - Chosen through a competitive interview process to join a team that coordinates events that aim to spur university students' interest in start-up culture and entrepreneurship through competitions and networking opportunities

SKILLS & COURSEWORK

Languages – Java, C++, C, C#, Python, Swift, HTML, CSS, R, Assembly

Courses – Data Structures, Software Design, Systems Programming, Discrete Math, Computer Architecture, Numerical Methods

Other Skills – Unity 3D, React, Git, iOS Development, Android Development