**SHANNON FERGUSON**

1111 Belair Drive, Darien IL, 60561 ▪ (630) 750-1725 ▪ [shoeferg@gmail.com](mailto:shoeferg@gmail.com) ▪ https://shoeferg13.github.io

**EDUCATION**

**University of Illinois at Urbana-Champaign,** *Grainger College of Engineering**Expected Graduation: May 2022*

Bachelor of Science in Computer Science, James Scholar, GPA: 3.70/4.00

Hoeft Technology and Management Minor Program

**WORK AND PROJECT EXPERIENCE**

**Fulcrum Global Technologies** Chicago, IL

*Software Engineering Intern May 2019 – August 2019*

* Co-founded upHold (uphold.pro), a professional relationship assistant 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 companies 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**

**Silicon Valley Entrepreneurship Workshop** San Francisco, CA

*Selected Attendee January 2020*

* 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, Yahoo!, Impossible Foods, Bloom Energy, C3.ai, and Malwarebytes
* Networked with the founders and employees of various companies to gain insight on their journey to building a successful start-up and gather advice on how to utilize resources to start a company as a university student

**Phi Gamma Nu Professional Business Fraternity** Champaign, IL

*Diversity and Inclusion Committee Member September 2019 – Present*

* Selected as 1 of 18 from a pool of 400+ applicants to join a new member class focused on professional development
* Collaborated with two other members each week to prepare meaningful questions to ask to our corporate sponsors following their presentations

**Founders Illinois Entrepreneurs** Champaign, IL

*Events Committee Member February 2019 – Present*

* 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
* Coordinated events such as Forge, a start-up competition in Chicago that attracts young entrepreneurs from across the country, and 54-Startup Competition, a start-up competition where students build their own start-up over a weekend

**SKILLS & COURSEWORK**

*Java ▪ C++ ▪ Python ▪ Swift ▪ HTML/CSS ▪ React ▪*  *Data Structures ▪ Software Design Studio ▪ Systems Programming*