

KATIE KO

(224) 433-1053 | katieko2@illinois.edu | ktko.github.io

EDUCATION

University of Illinois at Urbana-Champaign

Urbana-Champaign, IL

B.S in Computer Science – May 2020

Cumulative Unweighted GPA: 3.4

Relevant Coursework:

CS 126 : Software Studio Design

CS 173 : Discrete Structures

CS 225 : Data Structures

CS 233 : Computer Architecture

CS 374 : Algorithms & Models of Computation

CS 357 : Numerical Methods

CS 411 : Database Systems

CS 465 : User Interface Design

WORK EXPERIENCE

Amazon

Software Development Engineer Intern

Seattle, WA

Summer 2019

- Built a web application with an internal Java Spring-based framework based off of deprecated Python-based internal tool for scalability and reusability of service calling classes
- Setup pipeline & environment for application, created AWS S3 accounts for application's data storage, and became familiarized with different internal frameworks/services used for project
- Implemented Frontend and Backend of a feature in internal tool using jQuery, Bootstrap, and Java

JPMorgan Chase & Co

Summer Tech Analyst

Chicago, IL

Summer 2018

- Worked on a newly released mobile app for suppliers using React JS, JavaScript, Java, and Cordova Apache
- Optimized performance, implemented biometric features such as fingerprint authentication, facial recognition, & iris scanning by integrating Cordova plugins, and created a proof-of-concept for NFC implementation within the application
- Worked toward making the application compatible to both Android and iOS platforms while getting familiarized with the Cordova framework
- Fixed and redesigned UI alongside a user-experience professional; made decisions on the layout of page features and created new pages for NFC implementation and fingerprint authentication

Capital One iDCL

Software Engineer Intern

Champaign, IL

Fall 2017

- Worked on an ongoing web project mainly focused on Front-End Development using Ruby on Rails
- Project aimed to optimize and renovate the internal budgeting tool for Capital One administrators in need to keep track of company's resources
- Built a button where its function was to take existing employee records' data and make a duplicate resource record in the system that was editable; the button also managed different conditions associated to specific attributes that were being changed

TECHNICAL SKILLS

Java: Advanced – Over 2 years of experience with this language

C++: Proficient – Semester course taken with this language

JavaScript, HTML, CSS: Intermediate – Used during Summer Internship

React JS: Intermediate – Used during Summer Internship

Ruby & Rails: Familiar – Used in Fall Internship

Bootstrap: Familiar – Used during Summer internship

PROJECTS

Billmo

Software Design Studio

- Developed a mobile application that functioned similarly to apps like Venmo and Quickpay; allowed groups of people to split payments among a specified count of people and price
- Focused on object-oriented programming, used Android Studio and Firebase for authentication via social media and database management