KATIE KO

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EDUCATION

University of Illinois at Urbana-Champaign   **Urbana-Champaign, IL**
B.S in Computer Science – May 2020
Relevant Coursework:

CS 126 : Software Studio Design	CS 374 : Algorithms & Models of Computation
CS 173 : Discrete Structures	CS 357 : Numerical Methods
CS 225 : Data Structures	CS 411 : Database Systems
CS 233 : Computer Architecture	CS 465 : User Interface Design

WORK EXPERIENCE

JPMorgan Chase & Co   *Software Engineer I*   **Chicago, IL**
July 2020 – Current
- Resolving dependency vulnerabilities in team projects and performing end-to-end testing for changes
- Collaborating within an Agile Ecosystem to maintain and grow the firm's Alerts and Subscriptions system
- Building the functionality of a redesigned application assisting in the management of customer alert subscriptions
- Migrating and revising code from a decommissioned internal service into team's repository

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 – 4+ years of experience with this language
Python: Proficient – Over 1 year of experience, used for personal coding
Spring Boot: Proficient – Over 1 year of experience through internships and job
C++: Intermediate – Semester course taken with this language
JavaScript, HTML, CSS: Intermediate – Used during Summer Internship
Bootstrap: Intermediate – Used during summer internship and recent fall internship