JIMMY KIM

Software Engineer

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EDUCATION

B.A. Computer Science, University of California, Berkeley   **May 2020**
Relevant Coursework:
Internet Architecture & Protocols, Database Systems, Computer Architecture, Artificial Intelligence,
Efficient Algorithms & Intractable Problems, Data Structures, Discrete Mathematics & Probability Theory

PROFESSIONAL EXPERIENCE

Bituro, Full Stack Software Engineer Intern   **Summer 2020**
- Programmed new Node.js logic for user authentication (OAuth), survey transactions, and redemptions to replace PHP/Apache code for easier full stack maintenance
- Designed and implemented corresponding RESTful API endpoints using Express.js for flexible usage with both the web app and the mobile app
- Redesigned SQL schemas for move to MongoDB and wrote Python scripts to migrate the data

Cisco Systems, Software Engineer Intern   **Summer 2019**
- Built GUI tool for network switch diagnostics QA team hosted as a web page from the switch boards for more efficient access to the board's status and settings when testing
- Developed an XML parser in C for extracting useful info from large QA log dumps w/ XPath queries

State Fund, ITQA Intern   **Summer 2018**
- Wrote ALM tests and XPaths for Selenium test automation to streamline QA testing of State Fund's website and insurance claims tool

PROJECTS

For a Rainy Day, Personal Project   **Summer 2020**
- WIP iOS app for sharing uplifting messages meant to be saved 'for a rainy day'
- Built with SwiftUI and CloudKit to support both communal and private messages

BCD Bot, Personal Project   **Fall 2019**
- Discord bot for automating a fantasy football-style format for the card game Magic: the Gathering
- Actively used by a private group of 20+ users to play multi-month sessions
- Built in Python using JSON for saving daily session states and hosted on AWS EC2 instance

Pintos, Operating Systems & System Programming Project   **Spring 2019**
- Collaborated with team of four to plan out and implement a simple operating system written in C
- Built support for threads, file systems, and user programs with a streamlined team workflow

SKILLS

- **Languages:** Python, JavaScript, C/C++, Java, Go, HTML5, CSS, XML, Swift, SQL, NoSQL
- **Tools:** Git, Express, React, Node.js, jQuery, MySQL, MongoDB, AWS, Unix, SwiftUI, CloudKit