Derek Lin

(916) 833-9234 | [Email](#) | [LinkedIn](#) | [GitHub](#) | [Website](#)

EDUCATION

University of California, Davis Davis, California
Bachelor of Science in Computer Science *September 2018 – June 2022*

EXPERIENCE

Software Engineer at ASUCD Pantry September 2021 – Present
University of California, Davis *Davis, California*
- Developing software solutions for ASUCD Pantry, a non-profit organization that aims to eliminate food insecurity, serving over 40,000 students at UC Davis.

NCAA Division I Cross Country and Track & Field Student-Athlete September 2018 – Present
University of California, Davis *Davis, California*
- Dedicating 20+ weekly hours of training and conditioning, year-round, while competing in the fall and spring seasons for cross country and track & field.
- Averaging 60-80 miles ran per week. Personal bests of 32:29 in the 10k, 15:17 in the 5k, and 4:03 for 1500 meters.
- Strengthening leadership, time-management, organizational, teamwork, and communication skills with coaches, teammates, and advisors.

Software Engineer Intern at Jack Henry & Associates June 2021 – August 2021
Remote *Louisville, Kentucky*
- Implemented multi-threading for concurrent processing of financial transactions between individual financial institutions during scheduled End of Day (EOD) console, resulting in up to a 61% increase in processing speed.
- Migrated 100+ files from Team Foundation Services (TFS) to Git through Azure DevOps and Visual Studio.
- Added unit-test coverage for failed file validation, late payments, and delayed transactions for BillGo, the company stakeholder.
- Tested web services through SOAP API requests and XML configurations, minimizing time expenditure within payment operations.
- Wrote queries and modified stored procedures within SQL server to prevent duplicate transactions from company stakeholder, simultaneously strengthening consolidator relationships and maximizing revenue gain.

Software Engineer Intern at 7QUBES March 2021 – June 2021
Remote *Chicago, Illinois*
- Researched and integrated ShipEngine API and LibreSign API for product shipping and e-signatures to minimize business expenses.
- Published documentation for installing dependencies and launching the company client/platform GoPlutus.
- Implemented Travis CI, Jenkins, and Behavior Driven Development (BDD) processes.

PROJECTS

PizzaButton | *Python, AWS Lambda, Git, IoT*
- Implemented an AWS Lambda function that triggers via an IoT button click to order a pizza through the Dominoes API.

Superchat | *React.js, Git, Firebase*
- Created a web application where users can type messages to each other on the web. Prompts user authentication via Gmail and bans users for violating community guidelines.

RunnerApp - HackDavis 2021 | *React.js, Git, Flask*
- Developed an app that utilizes Google Maps API to generate popular running routes based on difficulty and location of the user from .gpx files in the area.

TECHNICAL SKILLS

Languages: C++,C,C#, SQL, Python, Java, JavaScript, HTML, CSS, R
Frameworks & Libraries: React.js, Node.js, Flask, Firebase
Developer Tools & Skills: Git, Docker, AWS Lambda, IoT, Visual Studio, CLion, Azure DevOps, Scrum/Agile
Relevant Coursework: Data Structures, Algorithm Implementation & Analysis, Object-Oriented Programming, Operating Systems, Computer Organization & Architecture