

Derek Lin

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EDUCATION

University of California, Davis

Bachelor of Science in Computer Science

Davis, California

September 2018 – June 2022

EXPERIENCE

NCAA Division I 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.

Tofu Salesman

August 2016 – August 2018

Wa Heng Dou-Fu Corporation

Stockton, California

- Enhanced communication, teamwork, and customer-centered approaches, while starting work at 5 AM.
- Provided customer service, communicated weekly prices, and packaged fresh products while maximizing product sales in a team-oriented, fast-paced environment.
- Gained valuable insight about managing small businesses, food production, and operating culinary machinery.

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#, SQL, Python, Java, JavaScript, HTML, CSS, R

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