

Derek Lin

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EDUCATION

University of California, Davis

Bachelor of Science in Computer Science

Davis, California

September 2018 – June 2022

EXPERIENCE

Software Engineer Intern at Jack Henry & Associates

June 2021 – Present

Remote

Louisville, Kentucky

- Minimizing business expenses by developing software that combats esoteric fire-and-forget service, where payments to merchants are incorrectly confirmed as successfully written to the server.
- Implementing and utilizing Git, C#, SQL, Unit Testing, Test-Driven Development, and Scrum/Agile methodologies. Collaborating cross-functionally in mob programming sessions with other software engineers and team members.
- Enhancing communication, leadership, and problem-solving skills within the Financial Technology industry. Adjusting schedule to EST hours working remotely by attending daily stand-up meetings as early as 4:45 AM.

NCAA Division I Student-Athlete

September 2018 – Present

University of California, Davis

Davis, California

- 20+ weekly hours of training and conditioning, year-round, while competing in the fall and spring seasons in cross country and track.
- Average 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.
- Strengthen leadership, time-management, organizational, teamwork, and communication skills with coaches, teammates, and advisors.

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 by choosing cheaper APIs over popular and expensive alternatives.
- Published documentation for installing dependencies and launching the company client/platform GoPlutus.
- Researched and implemented Travis CI, Jenkins, and Behavior Driven Development (BDD) processes.

Tofu Salesman

August 2016 – August 2018

Wa Heng Dou-Fu Corporation

Stockton, California

- Worked starting at 5 AM, transported products from the facility to the Stockton Farmer's Market.
- 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++/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, Scrum/Agile

Relevant Coursework: Data Structures, Algorithm Implementation & Analysis, Object-Oriented Programming, Operating Systems, Computer Architecture, Probability & Statistical Modeling, Abstract Mathematics, Discrete Mathematics, Derivative / Integral / Multi-variable Calculus, Linear Algebra, Writing Disciplines: Engineering