

# Derek Lin

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## EDUCATION

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### University of California, Davis

*Bachelor of Science in Computer Science*

Davis, California

*September 2018 – June 2022*

## EXPERIENCE

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### Software Engineer Intern at Jack Henry & Associates

June 2021 – Present

*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.

### NCAA Division I Student-Athlete

September 2018 – Present

*University of California, Davis*

*Davis, California*

- Dedication 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 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

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### 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

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**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