Derek Lin

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EDUCATION

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

EXPERIENCE

Software Engineer Intern at Jack Henry & Associates · June 2021 – Present
Remote · *Louisville, Kentucky*
- Integrated 100+ files from Team Foundation Services (TFS) to Git through Azure DevOps and Visual Studio.
- Added unit-test coverage for late payments and delayed transactions from company stakeholder.
- Tested web services through SOAP API requests and configuring XML fields, minimizing human resources within payment operations.
- Modified stored procedure within SQL server to prevent duplicate transactions, simultaneously strengthening consolidator relationships and maximizing revenue gain.
- Implemented multi-threading for parallel processing in back-end End of Day (EOD) financial transactions.

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.
- 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*
- Enhancing 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,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