Darren Lin

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EDUCATION

University of California, Santa Cruz **June 2024**
Bachelor of Science: Computer Engineering | GPA: 3.79/4.0 *Santa Cruz, CA*
Relevant Coursework: Data Structures and Algorithms, Assembly, C/C++ Programming, Programming Abstractions, Applied Discrete Mathematics, Linear Algebra, Differential Equations, Multivariable Calculus, Computer Architecture, Logic Design
Honors & Awards: Eagle Scout (April 2019), Dean's List (2020-2022)

SKILLS

Git, Python, C/C++, Java, Ruby on Rails, HTML, CSS, Javascript, Vue.js, Typescript, Verilog

WORK EXPERIENCE

CDK Global **Jun 2022 - August 2022**
Software Development Intern *San Jose, CA*

- Programmed the ability to invoice “other” payments and refund any payment using the Stripe API on thousands of Roadster integrated dealerships
- Integrated “other” payments into the lead and activity flow for all Roadster integrated dealerships
- Maintained Shift Certification by porting code that sent LivePerson analytics for all live chat actions on all Roadster supported dealerships to Shift
- Developed an algorithm to auto-generate content security policies on page load for thousands of dealerships to improve security for Roadster payment slideouts
- Created a mobile application for Roadster’s dealer management website for company wide hackathon

UCSC Computer Science & Engineering Department **Mar 2021 - Jun 2022**
Course Reader | Applied Discrete Mathematics *Santa Cruz, CA*

- Graded 15+ assignments on Canvas and Gradescope for 300+ students

Group Tutor | Computer Systems and Assembly Language

- Debugged 250+ students code/circuits in 1 on 1 zoom calls 5 days a week for 3 hours
- Answered 50+ student questions on the course’s discussion posts on Piazza

Kumon Math & Reading Center **Aug 2018 - Jul 2021**
Reading & Writing Tutor *San Jose, CA*

- Taught 30+ K-12 students by improving their reading and writing skills every Wednesday and Saturday for 4 hours
- Graded 100+ student’s work and explained mistakes and grammatical errors

PROJECTS

Big Integer Solver

- Implemented basic big integer operations and solved problems using doubly linked lists under 5 seconds

Sparse Matrices Solver

- Implemented sparse matrix addition, subtraction, and multiplication and solved problems using linked lists under 1 second

Watch Your Step!

- Developed a game using the VGA components and buttons of the Basys3 FPGA Board and Verilog logical operators and state machines