Alec Odell

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EDUCATION

California Polytechnic State University, San Luis Obispo (Cal Poly) GPA: 3.9
Studying for Bachelor of Science Degree in Computer Science Expected Graduation: June 2026

Relevant Coursework:

Algorithms	Data Structures	Cal Poly CS-AI Club Projects	Database Management
Data Engineering	Full-Stack Development	Computer Engineering	Systems Programming

SKILLS

Programming Languages:	Java	HTML	JavaScript	SQL	C++	C#
	Python	CSS	TypeScript	Machine	C	Assembly

WORK EXPERIENCE

CSC 202 Data Structures and Algorithms Instructional Student Assistant
- Provide one-on-one and group support in understanding data structures, algorithms, and programming concepts.
- Assist students in troubleshooting and debugging code for projects, labs, and assignments.
- Collaborate with Professor Paul Hatalsky to ensure consistent course support and student success.

DigiPen Institute of Technology Assistant Instructor
Subjects Taught: Programming and Data Analytics/Engineering
- Facilitated project-based courses teaching students about Data Analytics and Programming.
- Graded students' assignments providing constructive feedback and helping them learn from their mistakes.
- Worked with other instructors and TAs to build interesting lessons to keep students engaged over the summer.

Internship: Slalom Consulting: Acceleration Team
Language and Tools Utilized: C, Unix, Microsoft Excel/CSV
- Worked on the acceleration team, and helped propel tardy projects that required extra help.
- Leveraged my technical skills to automate the organization of databases containing thousands of files.
- Contributed to projects involving Salesforce development, streamlining customer data management, sales operations, and marketing campaigns.

PROGRAMMING PROJECTS

Entrepreneurship and Full Stack Development: Drift Marketplace https://www.drift-marketplace.com/
Languages and Tools: Stripe, JavaScript, SQL, React Native, React, Next.JS, Supabase
- Founded a start-up fighting college consumerism, helping students reuse and upcycle college essentials.
- Our app provides a marketplace for students to buy and sell clothes, textbooks, dorm essentials, and more.
- The Center for Innovation and Entrepreneurship is helping us get funding and permission to put smart lockers on campus to facilitate the sale and exchange of items in a safe, efficient, and eco-friendly manner.

Full Stack Development: Route Student-Powered Rideshare https://route-app.com/
Languages and Tools: JavaScript, SQL, React Native, React, Next.JS, Supabase
- Worked with a partner to design, manage, and create a student-powered carpool app and accompanying website.
- Built many components such as a database to store rides being offered, a direct messaging service built with an SQL database, and maps integration to help students visualize upcoming available rides.

Systems Programming: Custom Web Server
Languages and Tools: C, Unix
- Built a web server that supports a variety of HTTP requests and responds with the correct info and response code

Demonstrated excellent teamwork, time management, and customer service skills through the following jobs:

Teaching Assistant – The Overlake School, Redmond, WA (20 hours/week)	2023
Front of House Utility Worker – Feast, Kirkland, WA (20 hours/week)	2023-2024
Lifeguard – City of Kirkland (40 hours/week)	2020-2022

Volunteer Positions:

Union Gospel Mission – Fighting against homelessness crisis in Seattle	2017 – Present
NW Bread Bakers – Baked 8 nutritious loaves of bread for those in need every weekend	2020 - 2022