

Luis Espino - Full Stack Engineer

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Summary:

Full Stack Engineer with a robust background in web development and hands-on experience in crafting innovative solutions. Proficient in JavaScript, Node.js, and TypeScript, focusing on building dynamic and scalable applications. Adept at utilizing Agile/SCRUM methodologies for efficient project management. Excelling in problem-solving, attention to detail, and effective communication.

Education:

University of California, Irvine June 2022
B.S. in Computer Science GPA: 3.18
Course Work: Software Design • Game Systems and Design • Data Management • Computer Vision & Graphics

Areas of Expertise:

Python	HTML5/CSS3	AJAX/jQuery	React
JavaScript	Node.js	Redis (NoSQL)	IonicJS/Angular
C/C++	TypeScript	Git	Agile/SCRUM

Work Experience:

Autonomous Vehicle Software Operator: Zoox **October 2022-Present**

- Conducted comprehensive **software and hardware testing** on Level 3 autonomous vehicles.
- Executed Linux Shell scripts for software troubleshooting and deployments for vehicle optimal performance.
- Provided precise written and oral feedback to engineering teams to enhance vehicle efficiency and safety.
- Gained valuable experience in debugging, problem-solving, and in-depth knowledge of autonomous vehicle technology.

Computer Science Instructor: Juni Learning **April 2022-October 2022**

- Taught computer science concepts using **Python** by implementing student-centric one-on-one remote sessions.

Office Intern: San Mateo County Health Clinic **June 2018-September 2018**

- Served as a professional front desk attendant, excelling in visit facilitation, personal information updates, and administrative tasks.
- Developed strong **communication** and customer service skills in a professional office environment.

Projects:

Spotify Browser Website **February 2022**

- Developed a **client-server** web application using **Angular** and **Node.js** for seamless communication with the Spotify **API**.
- Designed and integrated engaging **front-end** features using **HTML**, **CSS**, and Angular components.
- Built a secure **back-end** API using Express.js and OAuth 2.0 protocol to handle user search requests, ensuring efficient and secure data retrieval from Spotify's extensive database.
- Utilized responsive design Bootstrap libraries to ensure optimal performance and a seamless user experience across various devices, including desktop and mobile.

Sleep Cycle Tracker (Mobile App) **January 2022**

- Developed a Data Collection **App** tracking users' sleeping cycle data using **Javascript/HTML** and the Ionic library.
- Leveraged **UX/UI** principles for a user-friendly interface.
- Rigorously **unit-tested** for IOS and Android using Ionic Lab, ensuring the app's stability and reliability.

Water Simulator (Website) **June 2022**

- Developed interactive **WebGL** animation simulating a realistic water pond with 3D objects, incorporating visual effects (Blinn-Phong, reflection, fresnel effect).
- Adapted the simulation into a web application using **JavaScript** and **HTML**, enabling public interaction.