SOREN LARSEN

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EDUCATION

B.S., Computer Science   3.4 GPA
University of California Santa Cruz, Santa Cruz, CA
Relevant coursework: Intro to Software Engineering, Full Stack Web Development, Mobile Applications, Natural Language Processing, Principles of Computer System Design, Computer Architecture, Advanced Linear Algebra, Intro to Probability Theory

TECHNICAL SKILLS

Languages: Python, C, C++, Swift, Kotlin, Java, Javascript, Dart, Typescript, HTML, CSS, SQL, Haskell   **Frameworks/Databases:** React, React Native, Flutter, Express.js, Node.js, PostgreSQL   **Developer Tools:** Git/GitHub, Jira, Figma, Docker, Jest, Barista/Espresso, Postman
Certifications: ForAllSecure: Mayhem Certified, AI For Everyone by DeepLearning.AI   **Soft Skills:** Effective Communication, Agile Adaptability, Collaborative Teamwork, Strategic Time Management, Rigorous Attention to Detail, User-Centric Customer Service

PROJECTS

Messaging Service   March 2023 - June 2023
Developed a comprehensive messaging app thrice in Kotlin, Swift, and React Native, ensuring optimal performance and user experience.

- Employed testing frameworks like Barista, XCTest, and Jest for rigorous UI and functionality evaluations.

- Skills: XML, Git, iOS, Application Development, Front-End Development, Android, Test-Driven Development, Software Development (Kotlin, Swift, React Native), Barista/Espresso, Jest

ParkMe   Jan 2023 - March 2023
Assumed the role of Product Owner, leading the development of a mobile app empowering users to rent and list parking spots.

- Oversaw product roadmap, prioritized features aligned with the vision, ensured user-friendly experience.

- Integrated Google Maps and address autocomplete APIs for accurate location services.

- Contributed to backend development by creating essential routes for rental transactions.

- Skills: Git, Technical Specs, iOS, Application Development, Front-End Development, Android, Node.js, Test-Driven Development, Scrum, Flutter, Teamwork, Flutter, Node.js, Typescript, TSOA, PostgreSQL

HTTP Web Server   Oct 2022 – Dec 2022
Designed and implemented a high-performance, multithreaded HTTP server in C.

- Implemented simplified HTTP protocol with essential response codes (200, 201, 404, 500) for HTTP methods (GET, PUT, HEAD)

- Skills: Git, Bash, Multithreaded Development, C, Mutex Locks

Email Service   July 2022
Developed a full-featured email system using React, Node.js, Express, PostgreSQL, and Material UI.

- Implemented core functionalities such as sending, receiving, and organizing emails.

- Enabled users to navigate through various mailboxes, including the inbox, sent folder, and custom mailboxes

- Skills: HTML, Git, Cascading Style Sheets (CSS), Application Development, Front-End Development, Node.js, Software Development, Full-Stack Development

NLP Sentiment Analysis   March 2022 – June 2022
Part of a dedicated team that enhanced sentiment analysis accuracy using advanced ML techniques.

- Collaborated on data preprocessing, model development with Python and Keras, and evaluation on datasets like IMDB.

- Skills: Python, Natural Language Proessing (NLP), Artifical Intelligence (AI), Machine Learning (ML), the Keras library for implementing RNN and LSTM models

CURRENT WORK

University of California Santa Cruz, Santa Cruz, CA: Peer Advisor   July 2021 – Present

- Offered essential support to diverse students, facilitating class enrollment and graduation planning. Used problem-solving skills to direct individuals to relevant engineering school resources, enhancing their academic experience.

- Skills: Customer Service, Communication, Teamwork, Problem Solving, Knowledge Transfer, Interpersonal Skills, Resourcefulness, Empathy

Adventure Out LLC, Santa Cruz, CA: Surf Instructor   June 2023 – Present

- Taught surf lessons to individuals of all ages and skill levels, providing safety instructions, teaching fundamental surf techniques, and tailoring lessons to meet each student's specific needs and abilities.

- Skills: Fitness Instruction, Time Management, Leadership, Coaching, Customer Service