LUCCA PSAILA

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EDUCATION

University of California Riverside

B.S. in Computer Science - *Cum Laude*   June 2022
M.S. in Computer Science   June 2023
Dean's Honors List, Chancellor's Honors List, Thomas H. Payne Scholarship Recipient

TECHNICAL STRENGTHS

Languages	JavaScript, Python, C++, HTML/CSS
Tools	React, Node, Express, AWS (EC2, S3, RDS), MongoDB, Git/Github, REST APIs

RELEVANT EXPERIENCE

QandA Market   June 2022 - Present
Instantly book appointments with experts from around the world.
· Developed a dynamic marketplace application utilizing the MERN stack, enabling experts across various domains to monetize their expertise through online consultations.
· Skillfully managed data storage and retrieval with MongoDB, ensuring robust and scalable database operations.
· Expertly utilized Node.js with Express.js for backend development, efficiently managing URL routing and resource requests.
· Crafted an intuitive frontend user experience using React, integrating MUI for pleasing and consistent design elements.
· Enhanced application performance by integrating AWS S3 and CloudFront for image storage and retrieval, achieving a remarkable 50% reduction in page load times.

ChatVac   June 2020 - September 2020
Bringing all your messages into one place
· Javascript and Python-based web application which combines both Slack and Discord APIs such that a user can fully access both services solely within their web browser.
· Implemented Redis Publish/Subscribe messaging system to connect APIs with server code.
· Integrated socket.io to allow for fluid communication between server and client side.
· Messaging data from Discord and Slack is stored in a SQLite3 database, and is displayed using jQuery.
· Server side of the application is run on AWS's EC2, and the client side is hosted with S3 and Route 53.

WORK EXPERIENCE

Software Engineering Intern   June 2021 - August 2021
Rev.com, San Francisco, CA
· Integral in scaling Rev's platform for enterprise clients as part of the enterprise engineering team.
· Enhanced user experience for account creation on Rev's web application by adeptly employing C#, CSHTML, and TypeScript, leading to a more intuitive user interface.
· Developed and implemented UI improvements in internal testing services, later integrated into the main product.
· Managed bugs and upgrades effectively using Kanban, in collaboration with product management teams.

Research Developer   June 2020 - September 2020
DeepInform, Riverside, CA
· Developed a web app for medical professionals, enabling easy sharing and editing of large tissue slide images.
· Vital role in backend expansion with JavaScript and Django, optimizing performance for an enhanced platform.
· Created an integrated image gallery in user profiles, enhancing file visibility and improving the user experience.
· Leveraged AWS technologies, including RDS and S3, to optimize data storage for user accounts and image files, resulting in a remarkable 15% reduction in gallery page load times.

LEADERSHIP

UCR-BCOE: Graduate Teaching Assistant   January 2023 - June 2023
Association for Computing Machinery   March 2020 - March 2021
President