

Joshua Li

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EDUCATION

University of California Santa Cruz <i>Bachelor of Science in Computer Science, Minor in Mathematics</i> GPA: 3.7/4.0	Santa Cruz, CA Expected December 2026
• Relevant coursework: Distributed Systems, Data Structures and Algorithms, Parallel and Concurrent Programming	

EXPERIENCE

Amazon Web Services <i>Software Development Engineer Intern</i>	New York City, NY June 2025 – September 2025
• Replaced 60+hr/wk script with automated serverless Java workflow that displays abstracted resource metrics.	
Rimini Street <i>Software Engineering Intern</i>	Remote Sep. 2024 – December 2024
• Built an automated pipeline with engineers to summarize lengthy sales emails, reducing thread length by 400%.	
University of California Santa Cruz <i>Undergraduate Researcher - Razvan Marinescu Lab</i>	Santa Cruz, CA Sep. 2024 – May 2025
• Collaborated on boosting the accuracy of MRI brain maps by 10% through deep learning generative models.	
Agile Catalyst <i>Computer Vision Engineer Intern</i>	Remote June 2024 – Sep. 2024
• Developed Python scripts to surface metrics and optimize experimentation, improving iteration speed by 30%.	
• Ensured reproducibility by containerizing pipelines with Git, Docker, and Kubernetes in cloud environments.	
• Applied thresholding and masking to isolate players and enhance feature extraction for clustering.	
• Developed a YOLOv5 + K-Means system automating team classification, reducing manual labeling by 80%.	

PROJECTS

Semi-Supervised Image Classification Model <i>Python, PyTorch, scikit-learn, Pandas, Numpy</i> GitHub	
• Trained an image classification model in Pytorch with 53.3% accuracy on 10k labeled + 23k unlabeled images.	
Calendar Social Media Web Application <i>JavaScript, React, Express.js, PostgreSQL, Node.js, Django</i> GitHub	
• Optimized model training time by 20% by applying Batch Normalization and hyperparameter tuning.	
• Enhanced validation accuracy by 9% using semi-supervised techniques(Entropy Regularization + Pseudo Labeling)	
• Developed a full-stack social platform enabling dynamic user interaction and real-time content sharing.	
• Built a Bootstrap-React frontend with Node.js/Express backend, delivering performant, responsive user experiences.	
• Implemented RESTful APIs with JWT authentication, OAuth integration, and PostgreSQL database management.	

TECHNICAL SKILLS

Languages: Python, C++, Java, C, SQL, Go, JavaScript, Haskell, TypeScript
Tools: React.js, Node.js, Express, AWS (EC2, S3, Lambda, DynamoDB, CloudWatch, EKS, Step Functions, API Gateway, CloudFormation), Linux, Git, Docker, Kubernetes, TensorFlow, PyTorch, Vue, Postman, Amazon Q (MCP), Flask, Django, PostgreSQL, GCP, Figma, scikit-learn, Matplotlib, MySQL, Linux
Concepts: Full-Stack Development, Backend Development, Distributed Systems, Cloud-Native Development, Web Development, REST APIs, GraphQL, CI/CD, Agile Development, Scalable System Design, RAG, Scrum, TCP/IP Networking, LLMs