Senna Titcomb

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EDUCATION

Oregon State University - June 2023
Bachelor of Science: Computer Science, Minor in Psychology

SKILLS

Languages: Python, Java, C, C++, HTML, CSS, JavaScript, SQL, Assemly, Go, Kotlin
Frameworks: React.js, Node.js, Express.js
Technologies: Amazon Web Services (AWS), ECS, ECR, EKS, S3, DynamoDB, Cognito, Sagemaker, VPC, EC2, IAM, Lambda, Prometheus, Grafana, Terraform, Docker, Git, Github, JIRA, Figma, Helm, Jenkins, Step Functions, Jaeger, Zoho
Other: Agile, SDLC, Project Management, UI/UX Design, Windows, Microsoft Office, Linux, Unix, MacOS
Awards & Honors: PDX Cyber Camp Malware Detection 1st Place Winner, Dean's List, Honor Roll, Magna Cum Laude

EXPERIENCE

Marketing and Analytics, Portland, OR
Mass Ingenuity, October 2023 - Present
- Leveraged transformer model API to parse 1000+ government official contacts; compiled results into database leading to 8 government agency customer contracts
- Constructed enterprise performance dashboards and visualizations through the use of PowerBI to drive actionable insights

Intel Corporation, Portland, OR
Cloud Software Engineer Undergraduate Intern, May 2022 - August 2023
- Spearheaded architecture and development from design to production of SaaS observability platform for cloud native workloads
- Designed end-to-end hybrid and cloud native data pipeline for 10,000+ Intel workloads
- Led and collaborated 4 cross-functional teams to diagram and transition from manual to cloud-based processes
- Developed and integrated pre-silicon workload analysis services for performance evaluation
- Utilized AWS, React, Node.js, HTML/CSS/Javascript, Figma, SQL, Go, and Terraform to build feature-rich platform with dynamic UI, user authentication, and responsive components
- Implemented IaC with Terraform to automate provisioning and management of cloud resources

Oregon State University, Corvallis, OR
Undergraduate Learning Assistant, March 2021 - March 2022
- Created 20+ programming assignments, project documents, and review worksheets
- Led and taught weekly software engineering labs to 200+ undergraduates using C, C++, Python
- Tutored 60 undergraduates during office hours on object-oriented programming, algorithm design, and problem solving concepts; average exam grade increase of 15% for tutored students

Intel Corporation, Portland, OR
Microservices Observability Intern, July 2021 - December 2021
- Extended Intel trace and distributed tracing capabilities for multiple internal and external use cases
- Managed an Agile environment with weekly sprint plannings and incremental deliverables
- Created Jupyter Notebook visualizations, whitepapers, wiki articles, and technical documentation
- Focus on distributed systems, cloud native observability, Jaeger traces with Kubernetes, AWS, Docker, and data visualizations
- Presented results to Vice President and 20+ principal engineers, architects, and software engineering managers

Girls Love Technology, Coding, Hacking (GLTCH), Portland, OR
Founder and President, January 2019 - December 2021
- Launched program for high school and college students, providing software development learning resources to 250+ students
- Taught concepts such as cybersecurity and functional programming to 200+ students across 3 school districts
- Organized 15+ coding events, hackathon competitions, and learning workshops

PROJECTS

OpenTelemetry Data Analysis Platform — 2022 - 2023
Real-time telemetry data analysis visualizations for internal Intel customers. Functional and responsive UI for authenticated users to access experiments, download configurations, link to visualization dashboard. Opentelemetry collector on back-end.
Business Intelligence Project: From SQL Tables to Visual Analytics — 2023
Extraction of data from SQL databases and transforming into user-friendly dashboard for filtering, analysis, download, and reporting.
WeRide: Transit Application — 2022
Broad-use transit application for international students filtered by price, time, convenience, and distance.