

Senna Titcomb

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SUMMARY

Determined and highly motivated computer science graduate, proficient in multiple programming languages and well-versed in diverse software engineering domains. Complemented by a robust foundation in computer science, my academic journey also includes a minor in psychology, providing a unique blend of technical and human understanding.

- Skills and Technologies:
 - Cloud Native Development Tools: **AWS** (ECR, ECS, EKS, S3, Amplify, DynamoDB, Cognito, Sagemaker, VPC, EC2, IAM, Lambda, Prometheus, Grafana), **Docker, Kubernetes, Terraform**
 - Programming Development Languages: **C++, C, Python, Java, HTML, JavaScript, Assembly, SQL, Go, Kotlin**
 - Operating Systems: **Windows, MacOS, Linux, iOS, Unix**
 - Software Development and Collaboration Tools: **JIRA, Github, Agile, SDLC, Helm, Figma**
 - CICD Tools: **Jenkins, Step Functions**
 - Other: **Hardware Repair, Microsoft Office, Jaeger, Chromebooks, Zendesk, Zoho, Powerpoint, Photoshop, React, Node.js**

EXPERIENCE

Marketing and Analytics, Mass Ingenuity — Oct 2023 - Present

- Focus on enterprise performance management using SaaS based solution to drive results with performance data, visual analytics, and actionable insights. Help to achieve results and make critical business decisions.

Cloud Software Engineer Undergraduate Intern, Intel — May 2022 - Aug 2023

- Architecture and development of a SaaS observability platform for cloud native workloads
- Architecture of end-to-end hybrid and cloud native data pipeline for Intel workloads
- Collaborated with cross-functional teams to diagram and transition from manual to cloud-based processes
- Architecture and development of pre-silicon workload analysis services for projecting performance on future platforms
- Containerized services for data analysis and consolidation of performance metrics
- Completion of feature-rich platform with dynamic UI, user authentication, and responsive components
- Implementation of IaC with Terraform to automate provisioning and management of cloud resources
- For all services, followed principles of opentelemetry, scalability, multi-tenancy, and self-service

Undergraduate Learning Assistant, Oregon State University — March 2021 - June 2021, Jan 2022 - March 2022

- Work weekly with Computer Science Professor to design programming assignments, project documents, and review worksheets
- Grade programming assignments and provide specific feedback
- Hold office hours for individual mentoring and grading
- Lead and teach weekly computer labs to college students
- Focus on problem solving, software engineering, object-oriented programming, algorithm design and program development

Microservices Observability Intern, Intel — July 2021- December 2021

- Part of automation tool development team that develops and maintains end to end services framework for Intel
- Extended Intel trace and distributed tracing capabilities for multiple internal and external use cases
- Focus on distributed systems, cloud-native observability, Jaeger traces, Kubernetes, AWS services, Docker, and data visualizations
- Work in an Agile environment with weekly sprint plannings and incremental deliverables
- Creation and editing of whitepapers, wiki articles, and technical documentation
- Presentation of work to principal engineers and architects, software engineering managers

Girls Love Technology, Coding, Hacking (GLTCH) Founder and President — 2019 - 2021

- Creation of presentations, emails, documentation on computer anatomy, coding basics, and ethical hacking
- Provide learning resources, camp/competition/workshop information, connections and recommendations to technology professionals

Technology Support Assistant, Lincoln High School — August 2018 - June 2019

- Support faculty and staff with technological problems including computer setup, projector malfunctions, etc.

EDUCATION

Oregon State University - Bachelor of Science in Computer Science, Minor in Psychology, 2023 [GPA: 3.8]

Academic Achievements: Dean's List, Honor Roll, Magna Cum Laude

Notable Coursework: Fundamentals of Multimedia, Web Coding, Graphic Arts, Web Coding Teacher Aide, Robotics, Public Speaking, Differential Calculus, Integral Calculus, Discrete Mathematics, Computer Science I & II, Data Structures, Statistics, Computer Architecture and Assembly Language, Technical Writing, Computer Networks, Web Development, Software Engineering I & II, Social & Ethical Issues in Computer Science, Operating Systems I & II, Information Visualization, Programming Language Fundamentals, Usability Engineering, Computer Graphics, Inclusive Design, Social Psychology, Mobile Application Development, Cloud Application Development, Psychology of Gender, Psychology of Close Relationships, Cognitive Psychology, Personality Psychology, Senior Software Engineering Project, Human Lifespan Development

References

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