

Ben H. Siri

www.bensiri.com · bensirics@gmail.com · github.com/BenjaminSiri · linkedin.com/in/benjaminsiri

**The Pennsylvania State University,
Bachelor of Science in Computer Science
Minor: Statistics**

Class of 2025
Dean's List

University of New South Wales, Semester Abroad in Sydney, Australia Spring 2024

Certifications

Machine Learning and Data Science Foundations | CMU

Ongoing

Relevant Courses

CMPSC 442: Artificial Intelligence | Python, GitHub
CMPSC 448: ML and Algorithmic AI | Python
CMPSC 331: Computer Org and Design | MIPS, Verilog

STAT 462: Applied Regression Analysis | R
EE 456: Neural Networks | Python
CMPSC 465: Data Structures and Algorithms

Work Experience

Fullstack Engineer, CyberCrucible inc. | React, SpringBoot, Ubuntu Jan 2026 - present

- Full-stack developer at startup building web applications with React, TypeScript, and Spring Boot
 - Develop features end-to-end from responsive UIs to RESTful APIs and database integrations

Front-End Intern, Aurora Innovations | React, Typescript, C++, GitHub, MobX Summer 2025

- Built a video replay feature enabling remote operators to review autonomous vehicle events in real time
 - Redesigned operator interface features, improving usability and response time in commercial operations
 - Delivered end-to-end features with full test coverage using Playwright, contributing to integration stability
 - Demoed to cross-functional teams and executives, incorporating design feedback in agile sprints
 - Built a C++ feature to set default camera view dynamically, improving operator efficiency

Software Intern, OpenLiteracy | Javascript Summer 2024

- Created an automated system using Google Apps Script for a team of 20 tutors to manage students
 - Designed a messaging system with Twilio, focused on enhancing communication with caregivers
 - Worked with a team of engineers to develop early-stage prototypes for AI-informed projects.

Lead Technical Developer, TrueHue | React, Lambda, API Gateway, DynamoDB, Git 2024 - 2025

- Initiated the use of classification models with scikit-learn for more accurate colorblind diagnosis
 - Updated an existed HTML/CSS website into a modern React-based design
 - Migrated the website to AWS Amplify, Lambda and DynamoDB as a database solution
 - Managed a team of 4 engineers, assigning work and conducting staff meetings/ progress checks

Front-End Developer, Carnegie Mellon University | Vue.js, GitHub Summer 2023

- Spearheaded a model comparison feature for the team's modelverse.com site
 - Implemented the use of Google Tag Manager to track user actions, increasing depth of collected data
 - Worked with a team of master and PhD student to improve the site and address issues

Projects

Gopher Social | React, Go, Docker, PostgreSQL, Redis, Google Cloud Spring 2026

- Built production REST API with JWT authentication and role-based access control
 - Optimized performance with Redis caching, connection pooling, and rate limiting
 - Deployed via Docker to Google Cloud with CI/CD pipeline and structured logging

Advanced Vehicle Team, Perception | Python, ROS2, GitLab Fall 2024

- Developing the object detection and localization algorithms for autonomous vehicles
 - Interfaced with vehicle camera and LiDAR for landmark localization strategies
 - Participating in early-stage planning to align goals and set realistic deadlines

Skills

Languages & Frameworks: Python, React, GoLang, TypeScript, R, SQL, Java, C/C++

Tools: AWS, TensorFlow, scikit-learn, VSCode, Linux, Git, GitHub, NeoVim