

Nathan Jesudason

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Education

Oregon State University, Bachelor of Science Computer Science December 2023
Computer Systems Option, GPA 3.95

Work Experience

Software Engineer June 2024

Cognex Corporation, Natick, MA

- Completed Effective C++ STL Training Course

Software Engineer Intern Jun 2023 – Dec 2023

Siemens Digital Industries, Wilsonville, OR

- Developed 30 automated UI tests for EDA software with Python
- Created regression testing framework as team transitioned to new UI

Software Engineer Intern Mar 2022 – Dec 2022

Cognex Corporation, Portland, OR

- Developed serial commands to codebase for inhouse I/O board
- Added code benchmarking for camera firmware in CI servers
- Coded features based on client needs in embedded C++ in Linux

eDNA Sampler Programmer Jan 2021 – Dec 2023

OPeN Lab, Oregon State University, Corvallis, OR

- Developed codebase in embedded C++ with WiFi for UI in React
 - Secured a 10k contract by scoping and coding new features for clients
 - Debugged hardware and memory management issues with sampler
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Computer Science Projects

Project Management Software (Senior Capstone) Winter 2023

- Developed project management application in C# and Angular
- Automated Deploying GitHub Repo to Azure with SQL service
- Implemented unit testing with ng-mocks

Underwater Robotics Vehicle Code Fall 2022

- Self-taught and trained team on Linux Docker containers for ROS
- Wrote bash scripts to automate ROS workspace for Docker containers
- Implemented control system in Python for ROV