

STEVEN OWENS

Des Moines, WA 98198 | 360-908-9855 | sd.owens@outlook.com

[LinkedIn](#) | [GitHub](#) | [Portfolio](#)

SOFTWARE ENGINEER

Upcoming BSCS graduate and Navy Veteran with active Secret Security Clearance offering strong foundation in software engineering and programming across multiple platforms and languages. Experienced in object-oriented programming, developing, testing and debugging code; requirement analysis, release cycle testing, and version control. Quickly learn and master new technologies; successful working in both team and self-directed settings. Courses completed:

- C++ Programming
- Data Structures in C
- Object-Oriented Design
- Database Management Systems
- Assembly Language MASM
- Software Development (SLDC)
- Analysis of Algorithms
- Parallel Programming
- Web Application Development
- Linux Operating Systems
- User Experience Design

EDUCATION

BS, Computer Science | Oregon State University | Corvallis, Oregon | GPA 3.96 Grad 12/2020

BS, Operations and Project Management | Southern New Hampshire University | Manchester, NH | GPA 4.00

TECHNOLOGY SUMMARY

Programming/Languages: Java, C, C++, JavaScript, HTML, CSS, SQL, Python

Frameworks/Platforms/libraries: OpenCL, OpenGL, CUDA, Abseil, NodeJS, Express, Django, REST, Heroku, GCloud,

Software: Linux, MacOS, Windows, Matlab, LINDO, Git, MySQL, Office 365, Asana, Team Foundation Server

Certifications/Certificates: Professional Project Manager (PMP), Certified SAFe Practitioner (SP), Java SE8 Oracle Certified Associate (OCA) (in progress).

SOFTWARE PROJECTS

OpenCL/OpenGL Particle System

- Designed and implemented a 3D particle system with physics-based environment interactions. Written in C and C++ on linux using open-source GPU parallel processing software (openCL) with graphics rendering using the OpenGL library.

SoulExchange

([GitHub: Soul Exchange](#))

- Collaborated to build a full featured auction website for sale of goods or services. Written in JavaScript using NodeJS and the Express framework with full CRUD functionality using MySQL for data persistence. Deployed via Heroku.

SuperTasks

([Google Cloud: SuperTasks](#))

- Collaborated with a team of five to build a team-based task management application similar to Asana. Written in Python3 on linux using the Django framework with full CRUD functionality with MySQL for data persistence. Deployed on Google Cloud Platform.

C++ / C Projects

- Developed hundreds of small C and C++ applications including: mixed-integer solver, dynamic programming, graph algorithms, hashmap spellchecker, low level I/O, multi-core/GPU parallel programming, file io, langston's ant, regex, calculators, data structures.

WORK EXPERIENCE

Program Manager / Testing Team Lead, US Navy

12/2016 TO PRESENT

- Lead a team of six subject matter experts ensuring maximum up-time, software development, software release testing, and version control of a \$8 million submarine nuclear reactor plant simulator for over 1200 end-users in the pacific northwest. Manage bug tracking, changes in user requirements, and feature requests using git and Microsoft Team Foundation Server.
- Evaluate team performance and on-going team development through code reviews and performance feedback to sustain an unmatched 150% utilization rate of simulator with 0% unplanned downtime across the entire Naval Nuclear Propulsion Plant Simulator domain for four consecutive years as team lead.
- Implemented agile methodologies to prioritize product backlogs reducing duration between feature and enhancement deployments by over 50% throughout software development lifecycle. Work directly with customers for changes in product requirements, feature requests and documentation of software bugs.

Web Developer / Full Stack Engineer, Self-Employed

9/2019 TO 2/2020

- Designed and managed a full stack, dynamic, mobile-first web application for Row4Reveille, an annual local fundraising event presented by Kitsap CrossFit. Row4Reveille is a major sponsored fundraising event for The Reveille Project, a national 501(c)(3) non-profit organization.
- Implemented using NodeJS, Express, EJS, and Bootstrap4. Deployed via Heroku as a Platform as a Service (PaaS).