

Education

BACHELOR OF SCIENCE: COMPUTER SCIENCE ENGINEERING

APRIL 2019 – DECEMBER 2020
Oregon State University, Corvallis, OR
GPA: 3.89

BACHELOR OF SCIENCE: OCEANOGRAPHY (CHEMICAL)

SEPTEMBER 2003 - JUNE 2008
University of Washington, Seattle, WA

HIGH SCHOOL DIPLOMA: HONORS

SEPTEMBER 1999 - JUNE 2003
Skyview Highschool: Science, Mathematics and Technology Magnet, Vancouver, WA

Experience

MOBILE / WEB APP DEVELOPMENT

AUGUST 2020 – December 2020
Various: <https://detroitlake.thepredictionlab.com/home>, <https://github.com/aclos3/oqa>

- ReactJS, React-Native, Ionic framework to create cross platform applications
- Front end web development, Agile Workflow
- Team environments utilizing GitHub

NOAA COMMISSIONED OFFICER CORPS | LIEUTENANT

JULY 2011 - MARCH 2019
National Oceanic and Atmospheric Administration
Norfolk, VA; New London, CT; Newport, OR

- Deck watch / survey operations officer, navigating ships 100-231ft. in length
- Managed department of 12 survey technicians: hiring, performance reviews
- GIS Software: ESRI, ArcMap, CARIS, Hypack, Fledermaus, Applanix POS MMS
- IT skills: Windows networking, BIOS / firmware, systems integration, software and hardware troubleshooting.
- Expert Hydrographer: seafloor mapping, creating nautical charts, acoustic theory, point cloud data interpretation and cleaning
- Advanced GPS knowledge (RTK, PPK, carrier wave L1/L2)
- Security Clearance: Secret

PHYSICAL SCIENTIST CONTRACTOR

JUNE 2008 - JULY 2011
Earth Resources Technology, Seattle, WA

- Hydrographic Survey Quality Control Specialist
- Skilled Kongsberg, Reson, Teledyne, Klein, Edgetech, and Odom sonar operator
- Field data collection and review aboard NOAA Ships in Alaska for nautical chart updates

LABORATORY TECHNICIAN

JANUARY 2007 – JUNE 2008
University of Washington, Department of Oceanography, Seattle, WA

- Extracted gases from sea water samples to determine their origin (climate science)
- Mass spectrometer operator
- Isolated carbon and oxygen isotopes from seawater via an extraction line
- Safe laboratory practices / HAZMAT

Abilities

Languages:

- JavaScript / TypeScript
- Python
- C / C++
- Bash
- SQL / MySQL
- Assembly (MASM)

Additional Exploration With:

- React-Native / ReactJS
- Git
- Ionic Framework
- Android Studio / Xcode (iOS)
- HTML5/CSS
- Wireshark
- McAfee FileInsight
- Mockplus
- Matlab
- Agile Workflows
- Visual Studio
- Linux
- PuTTY / SSH / Terminal / VIM
- Passionate system builder, CPU over-clocker and tinkerer!

Achievements

- NOAA Basic Officer Training Class (BOTC 118) Graduate
- U.S. Coast Guard Leadership and Management School (LAMS) Graduate / Certificate
- NOAA Mid-Grade Leadership Training Certificate
- Varsity Knowledge Bowl Team Member
- Varsity Math Team Leader
- Eagle Scout
- Newport Trail Stewards, Board Member
- NICA Youth Mountain Bike Coach

SPECIALTY COURSES

- Cyber Security
- Operating Systems
- Usability Design
- Technical Writing
- Web Design Bootcamp, Udemy

References

I will gladly provide personal and professional references upon request