Andrew R. Clos

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EDUCATION & PROGRAMMING

Coursework	Language/Skill
CS161 – Introduction to Computer Programming I	C++
CS225 – Discrete Structures	Logic / Math
CS162 – Introduction to Computer Programming II	C++
CS271 – Computer Architecture and Assembly Language	MASM
CS261 – Data Structures	C
CS290 – Web Development	Javascript
CS352 – Introduction to Usability Engineering	UX Design
Udemy – The Web Developer Bootcamp – 47 hours	Javascript/HTML

Oregon State University   Apr. 2019 – Present
School of Electrical Engineering and Computer Science via E-campus
B.S. Computer Science

Intern Availability: Summer 2020
Anticipated Graduation: Fall 2020

University of Washington   Sept. 2003 – Jun. 2008
College of Ocean and Fishery Sciences
B.S. Oceanography
Additional course work in chemistry/chemical engineering, physics and computer programming.

Skyview High School (Graduated: June 2003)   Sept. 1999 – Jun. 2003
Science/Math/Technology Honors Magnet Program, Varsity Knowledge Bowl team member, Honorable Mention at Intel-sponsored Northwest Science Expo, Science Bowl team member.

ADDITIONAL QUALIFICATIONS AND EXPERIENCE

NOAA Mid-Grade Leadership Program; course completed in January 2018.

NOAA Basic Officer Training Class, Class 118; graduated and commissioned in November 2011.

United States Coast Guard – Leadership and Management School; course completed in October 2011.

Additional, relevant courses include: physics, technical writing, MATLAB, Java Programming.

Eagle Scout, Boy Scouts of America.

PERSONAL INTERESTS

Boating, skiing, mountain biking, fishing, camping and ultimate frisbee.

PROFESSIONAL EXPERIENCE

NOAA Commissioned Officer Corps   Nov. 2011 –
Lieutenant, NOAA Corps   Mar. 2019
- Expert hydrographer, leading survey operations to perform updates to nautical charts, habitat maps, and responses to port closures during storm and disaster events.
- Developed IT skills in hardware and software integration, troubleshooting and training personnel on point cloud data analysis utilizing GIS software: ArcGIS, Fledermaus, CARIS.
- Honed management skills by leading small teams of 3 to 9 people during multi-week field survey operations, including Columbia River anchorage areas, and complete resurveying of the Hudson River.
- In charge of planning and executing the survey mission of the NOAA Ship *Rainier*. Leading a department of 12 survey technicians and junior officers by training them on survey techniques, sonar hardware operation, data processing software and technical report writing.
- Deck watch officer in charge of navigating ships 100ft to 231ft in length, training junior officers in watch standing and ship handling techniques.

Pacific Hydrographic Branch, NOAA; Earth Resources Technology   Jun. 2008 –
Hydrographer Contractor   Jun. 2011
- Introduced to the world of hydrographic surveys, multibeam echosounders, and field work in Alaska on NOAA Ships *Rainier* and *Fairweather*. Mastered manual sonar operation/tuning of Teledyne/Reson and Kongsberg systems. Competent in data processing, QC and survey sheet management.
- Reviewed and reported on surveys from contractors and NOAA assets to create updates to nautical charts and identify dangers to navigation.

Stable Isotope Lab: University of Washington, Dept. of Oceanography Jan. 2007 –
Laboratory Technician   June 2008
- Performed complex extractions/isolations of carbon and oxygen isotopes from seawater. Operated mass spectrometer to determine isotope ratios. Developed laboratory safety practice with hazardous chemicals while working efficiently. Achieved high success rates for sample production by being detail focused.

Tacoma Paperboard (Subsidiary of Caraustar)   Summer 2005
Process Operator
- Industrial production experience, introduction to safety culture, and heavy equipment operation.
- Prepared and controlled fiber quantity and quality to paper board machines, monitored and maintained waste water recycling systems. Operated large forklifts and handled HAZMAT safely.

Management Recruiters International (Seattle Branch)   Jun. 2004 –
Project Coordinator / IT Specialist   Apr. 2005
- Maintained recruiting office IT infrastructure - Windows NT and SQL server.
- Developed training materials and provided instruction on applications – Microsoft Office and PC recruiter software.
- Worked on a team of recruiters to identify and source quality candidates for our clients.