

Joshua Aaron Hepworth

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Education

Reed College, Portland, OR	8/12 - 5/16
Bachelor of arts in math with a concentration in computer science	
Coursera, Introduction to Systematic Program Design	6/13 - 8/13
Coursera, C++ For C Programmers, Part A	8/16 - 9/16

Work Experience

Senior Reactor Operator , Reed Research Reactor, Portland, OR	6/14-5/16
<ul style="list-style-type: none">- Obtained NRC Senior Operator license- Supervised licensed reactor operators- Ensured compliance with federal and state nuclear-reactor regulations- Trained 15 prospective and current reactor operators	
Reactor Operator , Reed Research Reactor, Portland, OR	8/12-6/14
<ul style="list-style-type: none">- One of 45 undergraduates nationwide with a Nuclear Regulatory Commission license- 200 hours of training in health physics, machine calibration, electronics- Led students and adults on reactor tours for public outreach- Operated reactor to perform irradiation experiments for local and international clients	
Lab Assistant , Dennis Murray, NW Bioanalytical Services, Vancouver, WA	6/13-8/13
<ul style="list-style-type: none">- Analyzed the reaction of different concentrations of glutathione	
Tutor , Bella Vista High School, Fair Oaks, CA	11/10-6/12
<ul style="list-style-type: none">- Tutored students at Bella Vista High School in geometry, pre-calculus, and chemistry	

Programming Experience

- Multithreaded and network socket programming in C and C#
- Object-oriented programming in Python and C#
- Functional programming in SML and Racket;
- Familiar with x86 assembly and OpenGL for graphics programming
- Core and upper level coursework including cryptography and computer graphics

Projects

- Led a team of 7 in designing, building, and operating [a campus Escape Room](#)
- Founded a [game development-themed dorm](#) with 20 residents per year
- Currently learning C++ by coding [a Roguelike](#) from scratch
- Wrote a [senior thesis](#) comparing space-searching algorithms in C#