

# Joshua Aaron Hepworth

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## Education

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<b>Reed College, Portland, OR</b> Bachelor of arts in math with a concentration in computer science	8/12 - 5/16
<b>Coursera, Introduction to Systematic Program Design</b> Scored 100%, received certificate of distinction	6/13 - 8/13

## Work Experience

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<b>Senior Reactor Operator</b> , Reed Research Reactor, Portland, OR - 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	6/14-5/16
<b>Reactor Operator</b> , Reed Research Reactor, Portland, OR - 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	8/12-6/14
<b>Lab Assistant</b> , Dennis Murray, NW Bioanalytical Services, Vancouver, WA - Analyzed the reaction of different concentrations of glutathione	6/13-8/13
<b>Tutor</b> , Bella Vista High School, Fair Oaks, CA - Tutored students at Bella Vista High School in geometry, pre-calculus, and chemistry	11/10-6/12

## Programming Experience

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- 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

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- 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#