

# Joshua Aaron Hepworth

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## Education

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

## Work Experience

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- 6/14-5/16      **Senior Reactor Operator**, Reed Research Reactor, Portland, OR  
- Supervise licensed reactor operators  
- Ensure compliance with federal and state nuclear-reactor regulations  
- Train prospective and current reactor operators
- 8/12-6/14      **Reactor Operator**, 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  
- Run irradiation experiments, lead reactor tours, operate reactor
- 6/13-8/13      **Lab Assistant**, Dennis Murray, NW Bioanalytical Services, Vancouver, WA  
- Analyzed the reaction of different concentrations of glutathione
- 11/10-6/12      **Tutor**, Bella Vista High School, Fair Oaks, CA  
- Tutored students at Bella Vista High School in geometry, pre-calculus, and chemistry

## Programming Experience

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- Proficient programmer with knowledge of multithreaded and network socket programming in 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

## Additional Information

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- National Merit Finalist; AP Scholar With Distinction; Two 1<sup>st</sup> place awards, Science Olympiad
- Interested in game design; designed and operated an Escape Room
- Founded a game development-themed dorm