

# Vincent GRIFFITH

## CONTACT INFORMATION

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ADDRESS: 5533 SE 39th Ave, Portland OR 97202  
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## WORK AND VOLUNTEER EXPERIENCE

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SEP 2013 | Senior Reactor Operator at Reed Research Reactor  
MAY 2017 | Senior staff member on call during operations and maintenance. Responsible for ensuring safety and compliance with state and federal regulations. Duties included preparing logs, safe handling and storage of radioactive materials, and supervising reactor operators and trainees. Participated in license requalification program and emergency training including drills.  
Developed a new training lab studying activation and decay of Aluminum flux foils. Wrote and delivered training lectures on reactor physics. Revised meter calibration procedures to reduce errors, including writing a program to automatically produce an inventory of meters from a folder of saved calibration forms.  
Supervisor: Melinda Krahenbuhl (503) 777-7222

JUN 2016 | Nuclear Power Systems Intern at NASA Glenn Research Center  
AUG 2016 | Performed simulations and multiobjective optimization of Stirling Cycle Engines. Discovered a modified cycle predicted to give a 50% increase in power without loss of efficiency. Processed and visualized data sets of over 5,000,000 entries from reactor thermal simulator and heat pipe tests.  
Supervisor: Maxwell Briggs (216) 433-3814

JUN-AUG 2014 | Dishwasher at Calaroga Terrace

2011, 2012 | Volunteer at Humane Society of Tampa Bay

## EDUCATION

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MAY 2017 | Bachelor of Arts in PHYSICS, **Reed College**, Portland, OR  
Thesis: *Computational Modeling of Stirling Engines*  
Relevant Coursework: *Fundamentals of CS I and II, Algorithms and Data Structures, Computational Methods for Physics, Advanced Math and Physics Courses*  
MAY 2013 | International Baccalaureate Diploma, High School Diploma  
**Hillsborough High School**, Tampa, FL

## LICENSES AND CERTIFICATIONS

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JAN 2017 | Radiation Safety Officer CERTIFIED BY **Reed Research Reactor**  
JAN 2017 | Radioactive Materials Shipping CERTIFIED BY **Reed Research Reactor**  
JAN 2015 | Wilderness First Responder and CPR CERTIFIED BY **Wilderness Medicine Institute**  
JUL 2014 | Reactor Operator License ISSUED BY **US Nuclear Regulatory Commission**  
NOV 2013 | Radioactive Materials Handling CERTIFIED BY **Reed College**

## TECHNICAL EXPERIENCE

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Programmed for courses and projects in Python, Standard ML, VBA, the Go language,  $\text{\LaTeX}$ , Mathematica, Matlab, and LabView.  
Also proficient in Excel and Microsoft Office.