

William Laney

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Objective

STEM major with real world experience in data analysis and prototype hardware/software integration seeking Summer 2017 employment, with possible bridge to January 2018 full-time position.

Education

The College of William & Mary
B.S. Physics, Minor Mathematics

Williamsburg, VA
Aug 2014-Jan 2018 (expected)

- GPA: 3.51
 - Dean's List: Spring 2015
 - Vice President of the William & Mary Robotics Club
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Undergraduate Research

William & Mary Research Experience for Undergraduates (REU)
Student Researcher

Williamsburg, VA
May 2015-present

- Partnered with Virginia Institute of Marine Science (VIMS) to create an underwater animal tag system
 - Developed data importing and analysis algorithms in MATLAB
 - Prototyped and developed a low power sensor system based on Arduino micro controllers
 - Conducted initial deployments of the system on live animals in a semi-controlled environment
 - Presented a poster on research findings, and won 1st place in the poster presentation competition
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Work Experience

AcornSI
Junior Analyst

McLean, VA
May 2015-Aug

- Analyzed long dwell magnetic gradiometer data to discern likely unexploded ordnance (UXO) from clutter
- Used a developmental version of a specialized geographic information system (GIS) with a custom classification toolkit intended for operational use
- Performed workflow analysis, data quality assessment, parameter tuning, and algorithm validation

Walter Reed Army Institute of Research (WRAIR)
Intern, Army Science and Engineering Apprenticeship Program (SEAP)

Silver Spring, MD
July 2014-Aug

- Conducted stereology research relating to the development of drugs to protect the brain after exposure to chemical weapon nerve agents
- Performed statistical analysis on data collected from experimentation
- Presented a poster and abstract on research findings at WRAIR summer research symposium

Hunter Mill Country Day School
Assistant teacher

Vienna, VA
June 2013-Sept

- Supervised a class of up to 30 children and led them in activities
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Technical Skills

Software: MATLAB, Eagle, L^AT_EX, Git, Mathematica, Python, Arduino, Raspbian

Hardware: Soldering, Carpentry, Laser Cutting, 3D Printing, Metal Work

Microsoft Technology Associate Certifications:

Windows Server Administration Fundamentals, Windows Operating System Fundamentals, Security Fundamentals, Networking Fundamentals

Interests

Eagle Scout, Member of W&M Makerspace Users Board, DJ on WCWM, member of Alpha Epsilon Pi fraternity