

# Dylan Peter Herina

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## **Education:**

**Boston University: College of Engineering, Kilachand Honors College - Class of 2018**

Bachelor of Science Computer Engineering

GPA: 3.31

Awards: Kenneth R. Lutchen Research Fellowship

Honors Graduate of Don Bosco Preparatory High School, Ramsey NJ ('14)

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## **Skills:**

### **Technical:**

- Proficient in MATLAB, Python, C++, C, C#, Java, Javascript, MySQL, IDL, Fortran
- Extensive knowledge of Windows, Mac OSX, Linux
- Knowledge of circuit theory and computational logic design
- Mathematics education through differential equations
- Comfortable performing hardware installations, repairs, and replacements

### **Professional:**

- Experienced with Microsoft Office Suite including Excel and iWorks
- Eager to learn and improve engineering and technical skillset

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## **Work Experience:**

**Intern at Museum of Science Tech Studio - Exhibit Design and Informal Education (January 2018-Present)**  
**Boston, MA**

Work alongside museum staff and volunteers to:

- Assist museum staff with exhibit and curriculum design process
- Explain engineering and scientific concepts to museum guests of all ages
- Facilitate interactive exhibit activities

**Software QA Co-op/Internship at AIR Worldwide (May 2016 – December 2016)**  
**Boston, MA**

Work included:

- Designing and executing automated and manual software tests to ensure products met standards using the following skills: Gherkin Testing Suite, Microsoft SQL Server, C#, Microsoft Test Manager
- Working within the parameters of the Agile Workflow
- Becoming familiar with operations and environment of a medium-large software dev. company
- Becoming familiar with the Risk Management, Insurance, and Reinsurance industry

**Computer Science Course Instructor at Codemakers Inc. (May 2017-September 2017)**  
**Belmont, MA**

- Instructed classes of middle school and high school students in introductory and intermediate level Python Programming
- Designed lesson plans, developed coursework with a team of instructors
- Engaged students with hands on exercises and activities

**Student IT Technician- IT Help Center (2015-2017)**

**Boston University Informational Services & Technologies**

Responsible for:

- Diagnosing, documenting, and repairing computer software issues
- Developing and implementing creative and effective methods to repair computers
- Explaining issues and repairs to clients

**Undergraduate Research Assistant- Imaging Science Department (2015-2016)**

**Boston University Center for Space Physics (Prof. Michael Mendillo)**

Responsible for:

- Maintaining/Organizing a database of over 63 million Martian Ionospheric and Geological observations from the SHARAD sensor on the Mars Reconnaissance Orbiter
- Creating geophysical models to represent the dataset and predict future atmospheric behavior
- Processing and analyzing the observations using IDL and Linux systems
- Responsible for upkeep and updating of CSP Imaging Science Website (sirius.bu.edu)

**Undergraduate Research Assistant- Remote Sensing Laboratory (2015-2016)**

**Boston University Department of Earth and Environment (Prof. Curtis Woodcock)**

Responsible for:

- Converting geological analysis algorithms from IDL and MATLAB to an open source platform
- Performing large-scale sorting and organizing of NASA satellite imagery to track deforestation