

# Andrew Rioux

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Email: [rioux.d.andrew@gmail.com](mailto:rioux.d.andrew@gmail.com) | <https://r-a303931.github.io>

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**OBJECTIVE:** To utilize my skills and training in service of an organization while learning more about Business, Computer Science and Engineering.

**EDUCATION:** **Associate of Science in Computer Engineering** **Graduation 2020**  
University of MD via College of Southern Maryland, Leonardtown, MD  
Courses taken include (current GPA 3.75):

- Calculus I and II, Differential Equations, Computer Science I and II and Intro to Engineering.

**Challenge III Student** – Lexington Park, MD Campus  
**CyberDefense Training Academy 2017** – Sponsored by the NSA and US Airforce. Week long training on Cyber Security. Graduated #1 in the class with Honor Cadet Award.

**EXPERIENCE: Software Engineer** **Summer 2018**  
*Selected by the Office of Naval Research and The United States Navy through SEAP (Science & Engineering Apprenticeship Program)*

- Demonstrated an ability to learn, learning 3 programming languages in order to perform in my job
- Earned a reputation as a talented programmer. Developed software that is used to test radio hardware to a standard.
- Demonstrated an ability to work, working on average nine and a half hours a day throughout the summer
- Over 8 weeks, streamlined LabVIEW code that tested the radio receiver for the USNavy P8 Poseidon Aircraft.

**Software Engineer** **August 2016 to Present**  
*Developed Cadet and Event management tool for Civil Air Patrol (<https://md089.capunit.com/>)*

- Demonstrated problem solving and critical thinking skills with regards to scalability
- Wrote 90% of the code (50,000 lines) while instructing others on maintenance
- Developed code that interfaces with other APIs, including an ASP.NET website, Google, and Amazon AWS
- Awarded Webmaster of the Year award for efforts (2016 and 2018)

**SKILLS:** MS Excel, Visual Studio, Git, SOLIDWORKS, C#, Java, HTML/CSS, Python, C/C++, TypeScript/JavaScript, +31 other languages

**ACTIVITIES: Cadet Deputy Commander, Civil Air Patrol, May 2018 - Present**

- Leading and developing the largest formation of cadets in the state of Maryland through weekly meetings and sponsorship activities
- Improving the management of the squadron through automation

**Team Leader, CyberPatriot, August 2016 - Present**

- Training cadets to perform in the CyberPatriot competition, leading them to find and secure holes in a computer's security
- Currently leading the best Open Division CyberPatriot team in Maryland, holding the 1<sup>st</sup> place position in the Platinum tier