

# Andrew D. Rioux

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

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**OBJECTIVE:** Looking for a challenging opportunity to use my programming skills while obtaining my degree in Computer Science

**EDUCATION:** **Associate of Science in Computer Engineering** **Graduation 2020**

Current college GPA: 3.83; Current high school GPA: 4.0

University of MD via College of Southern Maryland, Leonardtown MD

Courses taken include

- Calculus I, II and III, Differential Equations, Computer Science I and II, Discrete Math, Intro to Engineering, Intro to Embedded Systems

**Challenge III Student** - Lexington Park, MD Campus

**CyberDefense Training Academy 2017** - Sponsored by the NSA and US Air Force. Seven day training event 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 my job
- Earned a reputation as a talented programmer. Developed software that is used to test radio hardware to a standard.
- Over 8 weeks, streamlined LabVIEW code that tested the radio receiver for the US Navy P-8A Poseidon Aircraft

**Software Engineer** **August 2016 to Present**

*Developed Cadet and Event management tool for Civil Air Patrol (<https://md089.capunil.com/>)*

- Demonstrated problem solving and critical thinking skill with regards to scalability
- Wrote 95% of the code (83,000 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 in Maryland for efforts (2016 and 2018)

**SKILLS:** **Programs:** Vim, Zsh/Bash, Microsoft Office, Visual Studio Code, sed  
**Programming languages:** C/C++, Java, Python, JavaScript/TypeScript, Bash

**ACTIVITIES:** **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 All Service Division CyberPatriot team in Maryland, holding the 1st place position in the Platinum tier for 4 of the past 5 years
- Capable with Linux and Debian, personally scoring the 3rd highest Debian score nationally in the All Service Division out of 241 teams

**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
- Projected to be promoted to Cadet Commander by April 2019