Liam McFadden
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Personal Website: liammcfadden.github.io
GitHub: LiamMcFadden

Education
- **Virginia Polytechnic Institute and State University**
    - -Junior in the Computer Science Program
    - -Expected Graduation – Winter 2022
- **Classwork**: Data Structures, Databases, Algorithm Design and Analysis, Human Computer Interaction Design, Computer Organization
- **Cumulative GPA**: 3.14
- **Department GPA**: 3.47

Skills/Tools
- C, Java, Python, HTML, CSS, JS, SQL, MATLAB, Command Line, Git, Leadership, Motivation, Teamwork, NodeJS, React

Professional Experience
- Product Development Team at Vector Rideshare (April 2020 – Present)
    - o This is a student ran, ridesharing startup.
    - o On the product development team, I work to brainstorm and implement solutions and new technologies for the company.

Personal Projects
- **Rocket League Self Driving Car:**
    - o Using Python with OpenCV, this program can identify and track the ball from the game Rocket League.
    - o This is a work in progress, so there is no autonomous driving yet, however I plan on generating a data set of frames with correlating key presses to train a model using a convolutional neural network.
- **Personal Website:**
    - o Website made with basic HTML, CSS, and JS to showcase skills and other projects (link at top).

Honors & Awards
- 4-Year National Army ROTC Scholarship Awardee
- Boys State Selectee; elected Register of Deeds - Summer 2017
- Emerging Leader Scholarship Awardee

Clubs and Extracurricular Activities
- Virginia Tech Corps of Cadets
    - o Served as Fire Team Leader and Athletics NCO
- Army ROTC
    - o Served as Fire Team Leader and Squad Leader
- VTCC Cyber Club
- Intramural Basketball

Community Service
- Corps of Cadets Volunteer Service Projects
    - o 30+ hours of community service throughout the Blacksburg, VA area
- VA Hospital Volunteer 2017 to 2018
- Army Family Readiness Group Volunteer 2014 to Present
    - o 180+ hours supporting events for Army family programs
- American Legion Volunteer – 2014 to 2015