

## Nick Lawrence

nickpatricklawrence@gmail.com | 240-498-1707 | [LinkedIn](#) | [GitHub](#)

### OBJECTIVE

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College junior computer science major seeking an internship opportunity to advance my software development skills in preparation for a future software related career.

### EDUCATION

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#### University of Maryland, College Park

Fall '19 – Spring '23

Computer Science B.S., Math Minor — GPA: 3.89

University Honors College

Relevant Courses: Data Structures, Data Science, OOP, Number Theory, Linear Algebra, Computer Systems, Discrete Math, Calculus

### WORK EXPERIENCE

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#### Leidos

Jun '19 – Present

Software Engineering Intern

- Created a Git server over multiple VMs to allow for collaboration with other interns.
- Created SQL Database for inventory as well as cost/usage estimates depending on statistics per machine. This was made available to multiple departments.
- Established Nagios monitoring service to track machine health and issues that would be automated to create a related support ticket.
- Administrative user management for ERAM/TFDM.
- Shell scripting in bash to assist in automation and efficiency of tasks.
- IP Address configurations for machines on the private network.
- Worked with Ansible playbooks to complete tasks on multiple machines simultaneously.
- Updated server software locally/remotely.
- CentOS installations for new machines being set up.
- Managed permissions for release packages to be available to software developers.
- Assigned tasks to incoming interns to further their technical skills.

### PROJECT WORK

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#### 2021 Twitch Data Breach Analysis

Oct '21 – Present

- Analyzed data released from breach for the top 100,000 streamers.
- Utilized `pandas`, `scikit-learn`, and `matplotlib` to model and display income comparisons, as well as income diversity.
- In the process of creating a hosted [jupyter notebook deliverable](#) for public viewing.

#### Ulysses Program: “Effect of Blue Light on the Human Body”

Sep '15 – Jun '19

- 4-year program of all honors/AP courses with emphasis on research skills, culminating in senior research project presented to parents and students at Ulysses Fair.

### EXTRACURRICULAR

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#### High School Robotics Team #4638

Sep '17 – Jun '19

- Worked on product team responsible for Computer Aided Design (CAD) of robotic parts. Main responsibility included design of robot “climber” mechanism. Used SolidWorks software to produce 3D design used as basis for mechanical build.
- Robot competed successfully in FIRST Robotics Competition held in Spring 2018.

#### Founder of High School E-Sports Club

Dec '17 – Jun '19

- Organized tournaments/community for video games; consisted of over 100 members.

### TECHNICAL SKILLS

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- Platforms: Linux, Windows
- Programming Languages: Assembly, C, CSS, HTML, Java, Node.js, Python, Ruby, Rust, SQL, Web Scraping
- Tools/Software: AWS, Adobe Photoshop/Illustrator, Docker, Eclipse, Git, JIRA, MATLAB, Microsoft Office, Nagios, OBS, SolidWorks, VSC
- Scrum Master Certified