

Evan Black

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GitHub: eeibevan ([link](#))



GitLab: eeibevan ([link](#))

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Website: evanpblack.com ([link](#))

Residence:

United States Citizen

Education:

Clarion University of Pennsylvania
BS Computer Science
GPA: 4.0/4.0
Summa Cum Laude

2014 - 2018

Clarion-Limestone High School
Distinguished in Mathematics Award

2014

Accomplishments:

Eagle Scout
Three Palms

2013

National Honor Society

2012 - 2014

Work Experience:

**University of Colorado Boulder - NIST Gaithersburg, CTL-WND
Professional Research Assistant - PREP**

July 2018 - Present

Apply research and conduct intricate assignments in wireless communication systems and protocols with special emphasis on public safety communications, 5G, and LTE (Long Term Evolution) extensions.

Create network models as well as standalone simulation tools to evaluate communication systems/protocols in the context of public safety such as mission critical voice (MCV), mission critical push to talk (MCPTT), proximity services, Quality of Service (QoS) Priority and Preemption (QPP), and contribute to the development of their standards.

Use knowledge of principles of computer science, network applications, and operating systems to solve complex issues.

Develop, plan, and evaluate the configuration of complex network/software applications.

Perform analysis and design of integrated software systems and their modifications.

Applying knowledge in: C++, Python, Unix Shell Scripting, Linux, LTE, 5G

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|-------------------------------|-------------|
| Average Hours Worked Per Week | 40 |
| Salary | \$70,000.00 |

**Dataforma - Internship 1
Software Engineer**

May 2016 - Dec 2016

Designed and developed financial reporting into an existing CRM system. Designed and implemented web widgets corresponding to financial reports.

Applying knowledge in: HTML, CSS, Javascript, Java, MySQL, Apache Tomcat, Unix Shell Scripting

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|-------------------------------|-------------|
| Average Hours Worked Per Week | 40 |
| Hourly Wage | \$12.00 |
| Estimated Salary | \$24,960.00 |

Dataforma - Internship 2
Software Engineer

May 2017 - Aug 2017

Planned integration of dormant notifications and job scheduling into an existing system. Fixed existing bugs.

Applying knowledge in: HTML, CSS, JavaScript, PHP, MySQL, Apache Tomcat, Kotlin, Quartz (Job Scheduler), Unix Shell Scripting

Additional Info:

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|-------------------------------|-------------|
| Average Hours Worked Per Week | 40 |
| Hourly Wage | \$18.00 |
| Estimated Salary | \$37,440.00 |

Clarion University
File System Room Network Tech

2015 - 2018

Preparing and deploying system environments for computer classes and administration of academic servers and network equipment. Plan and maintain computer networks. Design and develop applications and scripts to support classroom requirements and facilitate the administration of networks and student employees

Applying knowledge in: Network Design and Concepts, Unix Shell Scripting, Linux

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|-------------------------------|------------|
| Average Hours Worked Per Week | 20 |
| Hourly Wage | \$7.25 |
| Estimated Salary | \$7,540.00 |

Projects:

Clarion University FSR Website

2018

Developed a website for the Clarion University CIS Department. Integrated with an existing, external employee time clock system, added scheduling and tardiness reporting/excusing, as well as added a system to manage reservations of department computer labs and lab equipment.

Agile Work Environment

Applying knowledge in: HTML, CSS, JavaScript, PHP, MySQL, Python + Flask, AJAX, REST.

See my website above for a link to the public site.

BOCES Special Needs Students App

2017 - 2018

Developed an Android application to track special needs students time spent on assigned tasks and reported results to show students progress. The application required special care be given to demonstrate a punch in/out workflow in a way that considers their special needs.

Applying knowledge in: Android, Java, SQLite.

See my website above for a link to the source code.

Skills and Qualifications:

Programming Languages

C++, C#, C, Python, PHP, HTML, CSS, Javascript, Assembly - x86, Java, Unix Shell, SQL

Tools

Git, ns-3, Catch2, MySQL, pgSQL, Android, CMake, Flask (Python)

Operating Systems

Linux, Windows

References:

Available Upon Request