

# Dillon Wayne Dunn

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Computer Scientist

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## Skills

**Programming:** C++, Golang, Rust, Python, Ruby, Bash, Typescript (React, CDK, GraphQL)

## Experience

**June 2020 -  
Current**

### **AWS Ground Stations Systems Development Engineer II | AWS**

As a Systems Development Engineer II, I worked on AWS Ground Stations helping build out new antenna sites, improving canary accuracy and helping launch new service features.

- Building out new antenna locations
- Improving antenna automation
- Maintaining and troubleshooting antenna locations
- Updating and improving canary accuracy
- Developing automation to enable the deployment and management of new compute resources
- Designing and implementing network architecture improvements
- Creating custom OS images based on Amazon Linux 2

**June 2019 -  
June 2020**

### **EC2 Systems Development Engineer I | AWS**

As a Systems Development Engineer I, worked on various aspects of EC2. Including helping to build new operational tooling to reduce day to day operational burdens. Additionally, I worked on building out and expanding EC2 to new regions while helping automate and improve those services in those regions.

- Building out services
- Maintaining those services and troubleshooting operational issues
- Building out a full stack website to help track and display service metrics to senior leaders
- Building out tooling that allowed a service to operate in a horizontally scalable fashion

**June 2018 -  
June 2019**

### **Associate Developer/Systems Engineer | SWIFT**

As a Systems Engineer for SWIFT I worked on a team that maintained a legacy production application. During my time at SWIFT I participated in my teams transition to AGILE and aided in maintenance and development of a number of internal and external tools.

- Maintaining a series of development servers on both Unix and Red Hat Enterprise Linux
- Implementing production features using C++
- Planning and implementing a unit testing procedure incorporating Boost.Test
- Development of internal tools using Python and Perl

**May 2017 -  
December  
2017**

### **Application Developer Intern | Listrak**

As an Application Developer at Listrak, I enhanced my ability to multi-task and handle dynamic workloads. In addition, I was able to participate in on the job training; these courses introduced me to management techniques and new technologies.

- Developing new features in C#, VB.net, SQL and JavaScript
- Documenting code using Redoc and Swashbuckler
- Fixing Bugs
- Participating in SCRUM
- Engaging in code reviews with senior team members

**June 2015 -  
August 2015**

### **Developer Intern | Stilwell Technology and Robotics, LLC**

Interning at Stilwell Robotics and Technology was an experience that gave me exposure to new areas of Computer Science. An added benefit of my summer experience was getting involved in the business development of Stilwell Robotics; I also involved with the marketing and development of the software which helped develop.

- Programming graphical user interfaces and networking components (TCP/IP) in C# that allow asynchronous communication between attached systems
- Programming small robotic systems in Python/C
- Reporting on weekly accomplishments and previewing future tasks
- Preparing presentations on developed software

**June 2014 -  
July 2015**

**Managing Partner** | RevoCases, LLC

Co-founded Revocases, LLC. This company was established as a result of winning a high-school business competition which awarded a monetary scholarship. The purpose of this newly established business was the development of a unique cell phone case allowing users the ability to charge a mobile device with multiple cables. During the life of this company I was involved with:

- Securing a provisional patent
- Initiating a marketing campaign via the Internet and local media
- Creating a working prototype
- Launching various fund-raising campaigns to generate capital

## Education

**September  
2014-May  
2018**

**Bachelors of Computer Science | Minor: Math** | Lebanon Valley College | Annville, Pa

Related Coursework: Multi-Variable Calculus, Discrete Mathematics, Linear Algebra, Cryptography with Coding Theory, Programming in Java, Computer Architecture, Software Design and Data Structure with C++, Data Mining Techniques