

# Dillon Wayne Dunn

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Computer Scientist

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## Profile

A Software Developer looking for exciting and challenging career opportunities.

## Skills

### Programing:

- C++
  - <https://github.com/dillonwd6086/CrazyPacman>
- C#
  - <https://github.com/dillonwd6086/DotnetCoin>
- Java
- Python
  - <https://github.com/dillonwd6086/PlaceFinder>
- Perl
- Scripting
  - BASH
  - KSH
- Ability to quickly learn and use new programming languages and frameworks

### Familiar Software:

- Unix, Linux and Windows
- Jet-brains IDEs
- Jenkins
- Clang, GCC and ACC compilers
- CMake
- Git and ClearCase
- Atlassian Management Software

### Familiar Frameworks:

- Dotnet Core
- FLTK
- JavaEE and Jaxrs
- Swagger
- Xamerin
- Boost.Test

## Experience

**June 2018 -  
Current**

### Associate Developer/Systems Engineer | SWIFT

As a Systems Engineer for SWIFT I was brought into a team which maintains 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. Some of my accomplishments there were:

- 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 was given the opportunity to become integrated member of an AGILE development team. This 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. My responsibilities include:
- 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
- August 2015 - May 2017**     **Student Technician** | Lebanon Valley College Solutions Center
- Working as a Student Technician at Lebanon Valley College allowed me to demonstrate professionalism, adaptability, and the ability to convey technical information to faculty members at Lebanon Valley College.
- Diagnosing and fixing wireless networks, Windows drivers, and computer hardware
  - Supporting users of all levels
  - Researching, creating, and implementing solutions when unknown errors occurred
- 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. My development duties included:
- 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 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
- Acknowledgements and Awards
- Vickroy Scholarship Recipient
  - ACM-ICPC Collegiate Programming Competition Participant
  - Middle Atlantic Conference - Academic Honor Roll
- Extra-Curricular
- Varsity Lacrosse
  - Lebanon Valley Competitive Programming Team
  - Mathematics and Computer Science Peer Tutor
- July 2017 - October 2017**     **Semester Abroad** | University of Wakaito | Hamilton, New Zealand
- Related Coursework: Practical Applications of Data Mining and Machine Learning

- Completed 16 credit semester while traveling and gaining an understanding of how business is conducted across cultures
- Studied related coursework and developed Data Mining and Machine Learning skills

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**References available upon request.**

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