

# James M. Howerton

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## Education

University of Virginia, Charlottesville, VA

M.S. Data Science, *Current GPA: 4.0*

2019-present

B.S. Computer Engineering, *Cumulative GPA: 3.918*

2016-2019

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## Skills

**Programming Languages** - Python - C - C++ - C# - SQL - PowerShell - Java - React JS - R

**Software** - Unity - Ableton Live - Photoshop - Max - Illustrator - Multisim - Ultiboard

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## Relevant Experience

TwinThread, Charlottesville, VA, *Full-Stack Software Intern*

Summer 2019

6-month part-time internship including 6 weeks of full-time work. Worked on web development in React JS, backend work in C# and SQL, and DevOps in PowerShell. Developed in-house tool to automate deployment of Azure Cloud resources.

Genworth, Richmond, VA, *IT Intern*

Summer 2018

12 week internship using SQL and PowerShell with Oracle's API to wrangle internal and external Eloqua email data for reporting in SpotFire.

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## Relevant Coursework

**Data Science** - Data Mining - Bayesian Machine Learning - Statistical Learning and Graphical Models

**Software Engineering** - Algorithms - Data Structures - Operating Systems - Database Systems - Advanced Software Development - Software Development Methods - Computer Networks - Network Security

**Firmware Engineering** - Embedded System Design - Introduction to Embedded Computing

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## Projects

**Heat Lamp Controller** - Together with a group of 3 other students, I designed a device that allows the calibration of local temperature via applying PWM to the power supply of a heat lamp. Through multiple phases of PCB design, firmware programming, and hardware testing, we finished with a working product.

**Isometric Action Game** - In my free time I have been developing a game where players use a card system to modify attack sequences that they use in combat. Through combining attacks that modify one another, players are allowed creative freedom in making builds that suit their playstyle.

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## Honors

Charles L. Brown Award For Excellence

2019

IEEE HKN Honors Society for Electrical and Computer Engineers Member

2018-Present