

Dewitt Ian Doucette

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EDUCATION

Virginia Tech, Blacksburg Va, B.S. Computer Science & Mathematics (double major) | Expected May 2026

- Related Coursework: *Data Structures & Algorithms, Calculus 3, Linear Algebra, Intro to Computer Organization*
- Cumulative GPA: 3.67 | Dean's List: All Semesters

EXPERIENCE

Information Technology Intern | Dominion Energy | May 13 2024 - August 16 2024

Provided information technology services for Dominion, a fortune 500 energy company serving more than 4.5 million customers in 13 states through electrical generation and natural gas services.

- Build a custom IaC virtual machine provisioning process utilizing Powershell and APIs, reducing overall machine deployment times by 50%.
- Assisted the infrastructure team with the migration of over 5000 endpoints from legacy OS to Windows 11 through creation of packaged app volumes utilizing VMware App Volumes for Citrix.
- Managed identity access permissions in Active Directory for standard and privileged user classes.

PROJECTS <https://github.com/Red-Lattice>

Game Development Project at Virginia Tech: Semester Long Project Winner

- Successfully developed a 3D video game using Unity, Blender, and other associated programs. Written in C#

CTF Cloud Server and RESTful API

- Cloud hosted a server with a functioning RESTful API to run a small but successful CTF event. Built and maintained an AWS hosted server utilizing Rust, and EC2.

Shipped Desktop Application

- Wrote a working desktop application used across the globe to solve a common problem in a video game community. Clean UX, with effective error handling, and written in Rust. Very well received by users.

Record-breaking high performance mathematical computation

- Implemented highly efficient algorithms to generate the digits to a mathematical constant to the highest achieved precision to date of 1.2 million digits. Written in C using the GMP library.

Working Graphing Calculator Written in C

- Implemented from the ground up utilizing only Windows API functions. Powerful, versatile, and stable.

INTERESTS AND VOLUNTEER ACTIVITIES

- **Clubs & Organization Membership:**
 - Game Development Club
 - Chess Club
 - Data Structures and Algorithms club
- **Henrico County Student Government Day Representative for Deep Run High School:** Represented the school working alongside the internal audit team to complete an internal audit for the county.
- **ParkRun USA Volunteer, 2018-2022:** *Helped guide runners, assisted with event setup/takedown, and timed participants for Saturday community runs.*

TECHNOLOGY SKILLS

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|----------|--------------------------|-------------------------|------------------------|
| • Python | • HTML and CSS | • JavaScript | • MS Office |
| • C# | • Rust | • Ghidra | • UNITY |
| • Java | • Visual Studio Code | • Version Control - Git | • AWS EC2 |
| • C | • Linux, Windows & MacOS | • Managing VMs | • Powershell Scripting |