ANDREW M. BROUGHTON

Ashburn, Virginia

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Education

University of Virginia, Charlottesville, VA · **Expected May 2026**
B.S. Computer Science
- School of Engineering & Applied Science
- Grade Point Average - 4.0/4.0; Dean's List Recipient
- Minor in Business, McIntire School of Commerce; Minor in Data Science, School of Data Science
- Relevant Coursework - Data Structures & Algorithms, Computer Systems & Organization, Discrete Mathematics & Theory, Linear Algebra, Differential Equations

Experience

XTec Incorporated, Reston, VA · **May 2023 - August 2023**
Engineering Intern
- Researched, setup, and demonstrated multifactor authentication solutions, including FIDO2/WebAuthn
- Tested Unified Endpoint Management (WorkSpace ONE UEM) Derived PKI credentials as well as identity management biometric enrollment platform for enterprise customers
- Developed and implemented creative client-based solutions across various internal teams, in support of public and private sector clients
- Performed competitive analysis of industry participants to identify key acquisition/partnership opportunities, presenting findings to senior team members

University of Virginia, Charlottesville, VA · **January 2023 - Present**
Undergraduate Teaching Assistant, Multivariable Calculus
- Spearheading an innovative educational project, creating 3D printed models that vividly illustrate complex concepts, enhancing students' understanding through tangible and visually engaging learning aids
- Deliver feedback and support to students through grading, in-person office hours, email correspondence, and online discussion forums
- Conduct one-on-one and group tutoring sessions to help students with course material and homework assignments

Potbelly Sandwich Shop, Ashburn, VA · **June 2021 - August 2022**
Team Member
- Collaborated with colleagues to efficiently meet customer needs and contribute exceptional customer service in a high volume quick service restaurant
- Managed daily transactions, calculated nightly sales totals, and followed proper cash handling procedures

Projects

Calenshare
Fall 2023
- Part of front-end team, using HTML, CSS, and JavaScript
- Developing a lightweight web application designed to help busy teams schedule meetings
- Teams share custom calendars displayed on a Google Calendar-like User Interface

Penguin Adventures
Spring 2023
- Conceptualized and developed a multi-level platforming game built in Python using the Pygame framework

Technical Skills

- Python, Java, C, x86-64 Assembly, HTML, CSS, JavaScript, and MATLAB
- Google Workspace (Sheets, Docs, Slides) and Microsoft Suite (Excel, Word, PowerPoint)

Extracurriculars

Project Code; Pickleball Club; Phi Society Fraternity; Bowling Club; Chess Club