

# Valeria Rosado Rodriguez

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## EDUCATION

### Virginia Tech

*Bachelor of Science in Computer Science, GPA: 3.74*

- **Relevant Coursework:** Computer Systems, Intro to Computer Organization II, Applications of AI, Data Structures and Algorithms, Contemporary Security Environments

Blacksburg, VA

*Expected December 2028*

## TECHNICAL SKILLS

**Languages:** Java, Python, C, C#, SQL, JavaScript, HTML/CSS

**Frameworks & Tools:** FastAPI, REST APIs, PostgreSQL, Claude API, Git/GitHub, Linux, Render

**Concepts:** Object-Oriented Programming, Database Design, Data Structures & Algorithms

## EXPERIENCE

### Undergraduate Teaching Assistant

*Virginia Tech, Department of Computer Science*

- Selected as a UTA for CS 2114 (Software Design and Data Structures), leading weekly lab sections and office hours for 30+ students within a 200+ student course.
- Debug student Java implementations of linked lists, trees, and hash tables, and grade programming projects with feedback on design, edge cases, and runtime complexity.

2026 – Present

*Blacksburg, VA*

### Undergraduate Researcher

*ASCEND Lab, Virginia Tech*

- Building a visual debugger for code comprehension under Dr. David Smith, rendering program execution state to help students reason about unfamiliar code.
- Contributing to prototype development in Python and JavaScript and to observational study design for evaluating comprehension with students.

2026 – Present

*Blacksburg, VA*

### Software & AI Development Intern

*Clark Mountain Holdings*

- Built an AI legal intake chatbot with the Claude API to streamline client data collection, and automated a newsletter pipeline that curates and distributes AI industry updates to leadership.
- Developed 3+ responsive client websites ranging from visual refreshes to full rebuilds.

2025 – 2026

*Virginia Beach, VA*

## PROJECTS

### Backend Portfolio Automation | *Python, FastAPI, PostgreSQL, Claude API, Render*

2026

- Built a FastAPI service on Render syncing 5+ GitHub repositories to Postgres, generating descriptions via the Claude API and serving them through 7 authenticated REST endpoints.
- Cut redundant API calls by hashing README content to skip unchanged repos, and added API-key authentication plus an override flag so manual edits survive automated syncs.

### Game Rental Design Project | *C#, SQL, OOP, GUI*

2024 – 2025

- Co-developed a C# Game Rental interface (3000 lines) as a GUI-based desktop application in Visual Studio, with a web-style interface, SQL database, and object-oriented models enabling tracking of 20+ rentals.

## LEADERSHIP

### E-Ball Chair

*Student Engineers' Council, Virginia Tech*

- Direct all planning and execution of the Engineers' Ball, an annual formal event with ~900 attendees and a \$51,000 budget, managing a committee, vendor relationships, and logistics.
- Contribute to the organization of the Virginia Tech Engineering Expo as part of the SEC executive board, the second-largest student-run career fair in the country.

2026 – Present

*Blacksburg, VA*

### Company Relations Chair

*HackViolet*

- Lead corporate sponsorship for Virginia Tech's largest women-in-tech hackathon, building a tiered prospect pipeline spanning regional and national technology companies.
- Own cold outreach and relationship management with sponsor contacts, securing \$10,000+ in funding through direct pitches to engineering and recruiting teams.

2026 – Present

*Blacksburg, VA*

## AWARDS

- **Silver Recipient, Technology** — Hispanic Heritage Youth Awards; 1 of 150 selected from 10,000+ applicants
- **1st Place, Webmaster** — TSA Virginia State Conference
- **1st Place, Web Design** — WHRO Great Computer Challenge
- **3rd Place, Object Oriented Programming** — WHRO Great Computer Challenge