

# Alexander Cote

508-558-6897 | apc51104@gmail.com | Rehoboth, MA

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## Summary

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As a Computer Science senior at Rensselaer Polytechnic Institute, I combine expertise in programming, algorithms, and system design with a strong proficiency in teamwork and collaboration. My education has honed my problem-solving skills and adaptability in team-oriented tech environments. Eager to apply my skills in real-world settings, I am prepared to contribute innovative solutions and collaborate effectively in the computing field.

## Education

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### Rensselaer Polytechnic Institute | Troy

#### Computer Science and Information Technology | 05/2026

- School of Sciences: Dual Major in Computer Science and Information Technology
- Relevant Course Work
  - **Computer Science:** Operating Systems, Computer Organization, Principals of Software
  - **IT Web Science:** Managing IT Resources, Web Systems Development, Modern Binary Exploitation

## Skills

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- **Languages:** Python, C++, Java, JavaScript, HTML5, CSS, SQL, PHP
- **Frameworks/Tools:** React, Node.js, MongoDB, GitHub
- **Platforms:** Microsoft Azure
- **Other:** Strong analytical and problem-solving skills, Quick adaptability to new technologies

## Projects

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- **Online Exchange Marketplace (Fall 2023)**
  - Built a merchandise catalog with a team of 5 using HTML5, JavaScript, CSS, PHP, MySQL
  - Implemented customer identity and product management features
- **Wardrobe Manager Web App (Spring 2024)**
  - Developed using React, Node.js, MongoDB, and custom APIs
  - Enabled secure data exchange and efficient wardrobe tracking

## Experience

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### Troy Area United Ministries | Troy, NY

#### Computer Science Instructor | 01/2025 - 05/2025

- Designed and taught a web development course using HTML, CSS, JavaScript, and ChatGPT
- Created hands-on projects and lessons adapted for limited computing resources
- Helped students develop problem-solving and coding skills

### Briggs Corner Pizzeria | Attleboro, MA

#### Counter Staff Lead | 04/2021 - 05/2023

- Managed and organized 400+ nightly orders in a fast-paced environment
- Led staff coordination, onboarding, and customer service resolution

## Leadership

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- **Alpha Chi Rho: Delta Phi Maintenance Chair (2024 - Present):**
  - Coordinate house maintenance and cleanliness
  - Create and enforce routine schedules for repairs and cleaning
- **Alpha Chi Rho: Delta Phi Computer/Server Chair (2024 - Present):**
  - Maintain network infrastructure across 3 houses for 30+ members and 100+ devices
  - Manage network setup, configuration, security, and troubleshooting