

## Elias J. Martinez

[mart5958@umn.edu](mailto:mart5958@umn.edu) | [GitHub](#) | [Website](#) | [LinkedIn](#) | (612)-432-3018 | Minneapolis, MN

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### Education:

University of Minnesota – Twin Cities

Minneapolis, MN

College of Science and Engineering: Bachelor of Science in **Computer Science**

Expected May 2025

GPA: 3.409

### Relevant Coursework:

Introduction to Computing and Programming Concepts, Exploring Computer Science Exercises in Python, Introduction to Algorithms & Data Structures, Calculus II, Discrete Structures of Computer Science

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### Professional Experience:

**Google Computer Science Summer Institute**

Summer 2022

*Participant*

- Participated in a 4-week intensive computer science summer program for high-achieving students
- Completed an introductory project-based HTML/CSS and JavaScript curriculum taught by Google Engineers
- Configured 3 individual coding projects in JavaScript by using concepts such as variables, data types, and functions
- Attended product design, resume development, and software engineering interview workshops
- Delivered a collaborative final project presentation that included a live demonstration to Google employees and community leaders

**University of Minnesota College of Science & Engineering**

May 2022 – September 2022

*CSE-IT Operations Student Worker*

- Completed projects for the College of Science & Engineering such as rebuilding servers and decommissioning virtual machines from past academic semesters
  - Delivered production code directly to maintain infrastructure and fix issues across the university
  - Attended daily standups and meetings focused on code issues and pull requests in two enterprise GitHub repositories
  - Communicated with coworkers daily to identify any new issues and fixed any remaining ones
  - Utilized technologies to monitor servers and both physical and virtual machines such as Foreman, Puppet (programming language), vSphere, Git, GitHub, SSH, Service Gateway, and Linux
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### Project:

**Movie Quiz** Link to GitHub repository: <https://github.com/variablechimp97/GoogleProject>

August 2022

*Skills: JavaScript, HTML, CSS, JSON, API*

- Developed a website to generate a movie quiz based off user input
  - Utilized TheMovieDataBase API to fetch movie information such as title, release year, poster image, genre, movie overview, cast list, and an array of similar movies
  - Implemented localStorage within the JavaScript to store user input / JSON data fetched from the API
  - Explored a variety of API options and their documentation on how to implement them in our webpage
  - Collaborated with two partners to deliver a functional website within 4 days
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### Activities and Student Groups:

**Committee Member**, Science & Engineering Student Board (SESB)

September 2022 – Present

- First-Year Initiative, Student Outreach, and Academic Affairs Committee Member

**Accenture**

May 2022

*Virtual Externship Participant*

- Participated in learning sessions, networking, engagement activities, and a case competition
- Learned how to implement technology to solve pressing business challenges
- Explored the innovations of security, AI, blockchain, and cloud data

**Member**, Society of Hispanic Professional Engineers (SHPE)

March 2022 – Present

**Member**, Association for Computing Machinery (ACM)

February 2022 – Present

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### Skills:

**Programming:** Python, Java, HTML, CSS, JavaScript, JSON, Bulma (CSS Framework), Git, GitHub

**DevOps:** Server Management, Virtual Machine, Puppet, Foreman, Service Gateway, IT Operations