

# Christian T Rangel

US Citizen | Pittsburgh, PA | +1 (412) 841-7228 | [rangeltchristian@gmail.com](mailto:rangeltchristian@gmail.com) | <https://ctrangel.github.io/>

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## Education

**Bachelor of Science in Applied Computer Science**

Expected Graduation: December 2025

**Minor in Creative Writing**

Point Park University, Pittsburgh, PA

Current GPA: 3.99

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## Relevant Coursework

Online: JavaScript Algorithms and Data Structures(freeCodeCamp), Python Data Structures (University of Michigan)

Initiating and Planning Projects (University of California Irvine)

University: Data Structures and Algorithms, Networking and Security, **Databases**, Object Oriented Programming, Advanced Programming, **Server Management**, **Business Analytics**, **Ethical Leadership**, Web App Development, **NoSQL Database**, **Creative-Nonfiction**, **Fiction I**, **Creative Writing**, **Business Law**

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## Experience

Web Developer: *Humane Action Pennsylvania - Pittsburgh, PA*

January 2024 - Present

- Work with Team members to implement small fixes to site functionality.
- Attend monthly standup meetings, addressing what features we are working on.
- Adding and organizing content in an easily digestible format.
- Design UI that's optimal for the target audience.

Academic Coach: *Point Park University*

January 2025 - Present

- Assist students in setting and achieving academic goals through structured planning and accountability.
  - Develop and recommend resources to enhance students' learning and academic performance.
  - Monitor student progress and adjust coaching strategies accordingly.
  - Collaborate with faculty, staff, and other support services to ensure a holistic approach to student success.
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## Projects

Congestion Pricing Analysis:

- Thoroughly research the concept and implementation of congestion pricing in cities.
- Gather and analyze raw data to forecast future trends/ Utilize case studies. *(See Portfolio Under Academics)*

Proximity Mapping of Parks in QGIS:

- Mapped straight-line distance zones around green spaces in Ross Township using OpenStreetMap data. Generated and styled 100–1000m buffer rings to visualize proximity levels. Cleaned spatial data, applied local corrections, and produced a final map layout for portfolio publication. *(See Portfolio Projects)*

Jar World Inventory Management System:

- Build API utilizing TypeScript, Express.js, Grid.js.
  - Create Postgres Database, testing locally, and deploying live to Render.
  - Design a front-end user interface with login functionality and data manipulation features. *(See Portfolio Projects)*
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## Technical Tools

Tools/Skills: Git/Github, Agile, Node.js, React.js, Express.js, Bootstrap, chakra UI, GIS, QGIS, Tableau, Microsoft Word, Microsoft Excel, Microsoft Powerpoint, Outlook

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## Leadership/Involvement

Pioneer Tech Innovators, President

October 2023 - Present

- Founded and led a student organization associated with the Applied Computer Science department
- Organized workshops and events, promoting teamwork and hands-on learning experiences for members.

Student Government Association, Senator and Rules Committee Co-Chair

August 2023 - Present

- Represented student interests and collaborated with peers to review and amend policies, supporting transparent and effective governance.
- Facilitated committee meetings, maintained organizational protocols, and promoted an inclusive campus.

YES PPU, Treasurer

November 2024 - Present

- Assisted in event planning and submitted funding requests.