

# Quentin Romero Lauro

Pittsburgh, PA

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## Education

**B.S. IN COMPUTER SCIENCE | UNIVERSITY OF PITTSBURGH** | PITTSBURGH, PA | GPA: 4.0

May 2026

- **Nordenberg Leadership Scholar:** 4-year full tuition scholarship and leadership development program
- **Relevant Courses:** Intermediate Programming (CS 0401) | Discrete Structures for CS (CS 0441) | Calculus (MATH 0220) | Algorithms & Data Structures (CS0445) | Computer Architecture & Assembly (CS 0447) | Cyber Security and the Law (INFSCI 0014)

**HIGH SCHOOL DIPLOMA | HAMPTON HIGH SCHOOL** | PITTSBURGH, PA | GPA: 4.0

June 2022

- **Completed 38** transferrable University of Pittsburgh credits through AP and Dual Enrollment courses
- **Awards:** Summa Cum Laude, AP Scholar with Distinction, Athletic Scholar Award for highest GPA of Varsity Athletes
- **Activities:** Class President, Drum Major of Marching Band, Founder of Computer Science Club, Cross Country, Track and Field

## Skills

**Programming** Python, Java, JavaScript, HTML, CSS, Node.js, Express.js, Git, GitHub, RaspberryPi

**Language** English, Italian

## Experience

**FREELANCE WEB DEVELOPER/DESIGNER** | nativitylutherchurch15101.org | smoothelectrolysis.com

May 2022 - Aug 2022

- Managing and maintaining DNS and SSL for clients
- Interfaced Google Calendar API with WordPress to delegate maintenance away from CMS, lowering long term upkeep cost
- Provided professional photography, photoshop, and video editing for website content

**CEO AND OWNER | RASPISHOP.COM** | PITTSBURGH, PENNSYLVANIA

Oct 2020 - Present

- Built, operating, and managing a project-based learning ecommerce platform for RaspberryPi enthusiasts
- Penetrated markets in the United States, Canada, Switzerland, Hungary, Slovakia, Austria, New Zealand, and Great Britain - cultivating a 390% increase in sales from 2021 to 2022

**MATH TUTOR | MATHNASIUM** | MCCANDLES, PENNSYLVANIA

May 2022 - Aug 2022

- Tailored individualized lessons for up to 6 students simultaneously in content ranging from geometry to introductory calculus
- Ensured conceptual mastery by adjusting lesson plans based on analysis of recorded student progress data

## Projects

**TUTORHHS.ORG** | HAMPTON HIGH SCHOOL | ALLISON PARK, PA | tutorhhs.org

May 2022

- Developed and deployed Heroku web application utilizing Express.js backend in Node.js environment to match National Honors Society tutors to struggling students
- Coordinated with district administrators to create accessible database maintenance system leveraging Google Cloud Platform and Google Sheets API
- Implemented a 3D interactive background with Vanta.js to increase user engagement and retention up to 80%

**MIND MANAGER** | STEEL CITY HACKS | devpost.com/software/mindmanager | github.com/Hamptonteam/MindManager

Aug 2020

- Built a linear regression model utilizing Python scikit-learn, NumPy, Pandas, and UCI Machine Learning Repository data to predict a student's academic trajectory based on influenceable factors
- Programmed a cross-platform (iOS and Android) task manager mobile application leveraging Python Kivy and KivyMD framework aimed at fighting student mental health crisis
- **Won Honorable Mention** in field of over 100 internationally competing participants

**AUTONOMOUS CHESS GAME RECORDER** | PERSONAL PROJECT

June 2020 - Present

- Constructed chessboard to autonomously records players' moves with magnetic sensing and Boolean logic in Python
- Interfaced 64 A3144 Hall Effect Sensors and 4 MCP23017 microcontrollers to RaspberryPi Zero W

## Leadership

**CLASS PRESIDENT | STUDENT COUNCIL** | HAMPTON HIGH SCHOOL | ALLISON PARK, PA

May 2019 - June 2022

- Organized community events and raised \$35,000+ contributing UPMC Children's Hospital, fighting pediatric cancer
- Orchestrated online registration, t-shirt distribution, and team tournament schedule of over 300+ students
- Addressed crowd of 2,500+ community members in graduation speech