Ryoma Harris

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GitHub: github.com/hryoma
LinkedIn: linkedin.com/in/ryomah
Website: ryoma.dev
Location: Philadelphia, PA

KEY SKILLS

Linux, Android, Bash, Python, Java, PHP, SQL, HTML, CSS, JavaScript, React, Django, Git

EDUCATION

University of Pennsylvania, *School of Engineering and Applied Science* **Aug 2020 — May 2024**

Candidate for B.S.E. in Computer Science | GPA 3.86
Past Courses: Data Structures and Algorithms, Automata Computability and Complexity, Linux/Unix Skills
Current Courses: Scalable & Cloud Computing, Intro to Computer Systems, Electrical Circuits and Systems

Code Path, *Intro to Cybersecurity* **Mar 2021 — May 2021**

Ocean Lakes High School, *Mathematics and Science Academy* **Sep 2016 — Jun 2020**

GPA 5.06 weighted | Ranked 1/484 | SAT 1530/1600 | ACT 36/36

TECHNICAL EXPERIENCE

IT Support Specialist @ Annenberg School for Communication **Starting Sep 2021**

Web Developer @ Penn Climate Ventures, *pennclimateventures.org* **May 2021 — Current**

- Independently learned Gatsby.js and GraphQL to develop 2 websites, including a blog, to encourage 300+ students to dive into environmental issues

CTO / Full-Stack Developer @ Cynfolia, *cynfolia.com* **Apr 2021 — Current**

- Co-founded Cynfolia, a B2B food waste startup, with a team of 5 students
- Independently learned Django to deploy the back-end, such as registration and profile management
- Implemented Amazon's AWS S3 to host images and Heroku to host the site
- Awarded 2nd place out of 87+ teams by a panel of climate venture capitalists at the PCV Competition

IT Intern @ Shopy2Go **Jun 2021 — Aug 2021**

- Revamped the Android app's front-end UI to modern designs created by the project manager
- Upgraded deprecated SDK's and features like the Stripe payment system and Facebook login
- Extended the existing MySQL database, created new PHP back-end API's, and built new front-end screens and components to build new restaurant search, sort, filter, selection, and rating features

Research Intern @ Virginia Modeling, Analysis, and Simulation Center **Aug 2019 — Aug 2019**

- Researched, designed, and developed 3D-printed pieces for physically interacting with Old Dominion University's queuing simulation program
- Helped code a computer vision program to translate pictures of the pieces into the simulation

PASSION PROJECTS

Equipotential Grapher, *equipotential-grapher-9bkly.ondigitalocean.app* **Jun 2020 — Jun 2020**

- Developed a web app with jQuery to simulate charged particles in a 2D field for equipotential data
- Actively used by a physics teacher and 150+ students in AP Physics I, AP Physics II, and MG Physics
- Saves 90 minutes of instructional time and 3 to 4 hours of homework time per student, per year

Computer Vision for the Visually Impaired **Nov 2019 — Mar 2020**

- Implemented you-only-look-once computer vision on a Raspberry Pi using OpenCV and Python
- Awarded Honorable Mention in the Computer Science category at the Tidewater Science Fair

HONORS AND AWARDS

2nd Place Team	Great Computer Challenge: Scientific Programming Category	Mar 2020
2nd Place Team	Great Computer Challenge: Scientific Programming Category	Mar 2019
1st Place Team	Lockheed Martin Code Quest: Advanced Division	Apr 2018