

Ryoma Harris

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EDUCATION

University of Pennsylvania, *School of Engineering and Applied Science*

Aug 2020 — May 2024

Candidate for B.S.E. in Computer Science

Relevant Coursework: Programming Languages and Techniques, Data Structures and Algorithms, Automata Computability and Complexity, Linux and Unix Skills, Calculus III, Probability

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

Full-Stack Intern @ Shopy2Go

Jun 2021 — Current

- Revamped the Android app's front-end UI with modern designs created by the project manager
- Upgraded deprecated SDK's and features, such as the Stripe payment system and Facebook login
- Extended and created new PHP backend API's for the restaurant takeaway and delivery process

Web Developer @ Penn Climate Ventures, *pennclimateventures.org*

May 2021 — Current

- Working closely with prototype designer to develop a website using Gatsby.js for encouraging 300+ students to dive into the most pressing environmental issues of today

CTO / Full-Stack Web 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 back-end features for Cynfolia's services, including user registration and profile management
- Developed front-end features, such as a responsive navigation bar to enhance user experience
- Awarded 2nd place out of 87+ teams by a panel of climate venture capitalists at the PCV Competition

Research Intern @ ODU 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, CLOUDES
- Helped code a computer vision program to translate pictures of the pieces into the simulation

PASSION PROJECTS

Equipotential Grapher

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 students, 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

2 nd Place Team	Great Computer Challenge: Scientific Programming Category	March 2020
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1 st Place Team	Lockheed Martin Code Quest: Advanced Division	April 2018
1 st Place Team	Great Computer Challenge: Object Oriented Programming Category	March 2018

KEY SKILLS

Python, Java, HTML, CSS, JavaScript, Django, React.js, web dev, Android app dev, Bash, Linux