

MAXIMUS PACE

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EDUCATION

Cornell University, College of Arts and Sciences • Cumulative GPA: 4.09

Ithaca, NY

Majors: Computer Science, Mathematics

Expected May 2024

Coursework: Robot Learning, Machine Learning, Computer Vision, Analysis of Algorithms, Honors Object Oriented Programming and Data Structures, Functional Programming, Honors Linear Algebra, Probability

EXPERIENCE

Guidewire

Exton, PA

Software Engineer Intern

May 2022 – August 2022

- Built asset management tool to reveal abandoned curation assets, saving \$1200/month in unnecessary AWS costs
- Expanded data curation API in Kotlin to expose data relationships, making them accessible for 30 other developers
- Restructured CDP class setup to minimize overhead and enhanced SQL query test suite for increased reliability

RapStudy

Remote

Software Engineer Intern

May 2021 – September 2021

- Developed song player portion of a new React Native app for school-sponsored use by over 5000 students
- Fixed many pre-existing bugs and optimized legacy code to maintain functionality and enhance performance
- Created seamless synchronization system for aligning over 200 songs with their lyrics in real-time

College Hush

Remote

Freelance Programmer

January 2021

- Automated data collection from university websites and saved marketing team hundreds of hours
- Used JavaScript with NodeJS and XML to scrape HTML and made execution of script intuitive for team use
- Facilitated recruitment of over 200 mentors from 71 universities to connect with thousands of high school students

ACTIVITIES

Cornell Mars Rover

Ithaca, NY

Software Engineer in Controls Software Subteam

November 2020 – Present

- Designed image segmentation program to instantly locate a keyboard, enabling automatic typing in competition
- Reimplemented image classification system for better reliability and improved validation accuracy by 70%
- Wrote Python scripts to automate workspace initialization, saving 4 hours of onboarding per new member

Head Undergraduate Teaching Assistant

Ithaca, NY

Discrete Structures, Data Structures and Functional Programming

August 2021 – Present

- Served as primary leader of a weekly discussion section of 30 students and assisted 20 students in office hours
- Wrote rubrics for problem sets and organized grading sessions for 13 TAs, grading 480 weekly submissions
- Taught logic, proof basics, set theory, programming language evaluation, analysis of algorithm correctness

SKILLS & INTERESTS

- **Technical Skills:** Java, Python (PyTorch, NumPy, OpenCV), JavaScript, OCaml, C, React, Git
- **Languages:** Swedish & Italian
- **Interests:** Entrepreneurship, golf, skiing, poker, NYT crossword puzzles, travel, gaming