Philip Chryssochoos

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EDUCATION

Georgia Institute of Technology · Atlanta, GA
Bachelor of Science in Computer Science, GPA: 4.00/4.00 · *May 2026*

University of Georgia, Honors Program · Athens, GA
Bachelor of Science in Computer Science, GPA: 3.95/4.00 · *Aug 2022 - May 2024*

Programming Languages: Python, TypeScript, Rust, Java, C#, C, C++
Technologies: TensorFlow, Playwright, Amazon Web Services, Azure, Django, Flask, SQLite, Docker
Relevant Coursework: Data Structures & Algorithms, Calculus III, Theory of Computing, Computer Organization

WORK EXPERIENCE

Yellow Jacket Space Program (YJSP) · Jan 2025 - Present
Avionics Software Engineer · *Atlanta, GA*
- Building a rocket with the goal of becoming the first student-led team to reach space using liquid propulsion
- Developing YJSP's control server in Rust to facilitate seamless communication between operators and flight systems

Profisee · Aug 2024 - Present
Software Engineer Intern · *Alpharetta, GA*
- Automating Typescript based Playwright tests, reducing the average run time from 15.9min to 11.3s (98.8% faster)
- Building an internal C# API to streamline tedious CRUD operations on Profisee's resources for developers
- Leading the development of Playwright test fixtures by connecting Playwright with our internal API to handle the setup/teardown of each automated test

PROGRAMMING PROJECTS

StreetCleanr – UGAHacks9 1st Place Project - Devpost | *Python, Flask, TensorFlow* · Feb 2024
- Built a fully functional web application that provides cleanup volunteers with optimized cleaning routes of littered roads
- Utilized TensorFlow to create a Convolutional Neural Network (CNN) image classifier with a 90% classification accuracy
- Developed a 'Get Route' feature that integrates Google Maps & Distance API's with a database of littered roads to provide the user with an optimized cleaning route based on their current location
- Presented a demo to industry professionals that showcased StreetCleanr's accurate CNN and robust business roadmap

GuessNFLPlayer - Live Site | *Python, Flask, Amazon Web Services, SQLite* · June 2023 - Sep 2023
- Optimized a Python script that combines the Pandas library and Google Images API to create a database of 1500+ players
- Utilized OpenAI's GPT-3.5-Turbo API to produce informative descriptions for each player in the database
- Created a 'Report Bug' feature which triggers an AWS Lambda and uses AWS SES to notify admins of user issues
- Employed Flask and SQLite to implement a scalable and robust backend that ensures optimal application performance
- Created a seamless UI using HTML, CSS, and Bootstrap that enhanced user experience and accessibility

BeSpoked - Repo | *Python, Django, Azure SQL* · July 2024
- Created a full-stack sales tracking application in 48 hours as part of Profisee's technical interview process
- Engineered a backend system using Django and Azure SQL to ensure robust scalability and efficient data management
- Developed a comprehensive UI to convey the applications complex functionality to interviewers

CAMPUS & COMMUNITY ENGAGEMENT

Georgia Tech Astronomy Club · Jan 2025 - Present
Active Member · *Atlanta, GA*
- Supporting the setup of "Public Nights", providing the Atlanta community with opportunities to explore telescopic views
- Attending weekly GBM's to discuss and view astronomical objects using the Georgia Tech Observatory

Athens-Clarke County Animal Shelter · Oct 2023 - May 2024
Volunteer · *Athens, GA*
- Dedicated time each weekend to maintain a safe, clean, and nurturing environment for rescued animals
- Provided animals with personalized socialization and care, ensuring a confident transition into a loving home

ADDITIONAL SKILLS & INTERESTS

Interests: Space Exploration, Astronomy, Running, Hiking, Robotics
Software & Tools: GitHub, Azure DevOps