Christopher **Martin**

Profile

A fervent software developer with 2 years of experience in R&D and industry. Proficient in Python and C#/C++ programming, I have successfully developed a Twitter bot, trained large language models, developed systems in Unity, and designed many web-crawlers for data extrapolation purposes.

Contact details

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Skills

- Python, R, C++, C#, Java
- Pandas, Spacey, Android, SQL
- Machine Learning, Web Automation, Unity
- Industry and Research experience

Education

B. Computer Science *Iowa State University.*   **May 2025**
◇ Software Design & Development, Principles of AI, Machine Learning, Trustworthy Healthcare Software, Algorithm Analysis, Project Management, Database Management Systems, Programming & Algorithm Design, Computer Architecture and Machine Coding, Philosophy of Technology, and Technical Communication.

Experience

Endpoint Apple Technician at *ISU ITS (Ames, IA).*   **2024.03–pres.**
◇ Provide Apple support and diagnostics for university administration. Diagnostics include Jamf enrollment, hardware repair, data back-up and security, workstation and university lab installations, software deployment, and user guidance on MacOS/iOS.
◇ Apple MacOS/iOS, Jamf, Data Security.

Research Assistant at *ODU (Norfolk, VA).*   **2023.06–2023.08**
◇ Trained and developed a Large Language Model for detecting Russian Disinformation surrounding the Ukraine War.
◇ Machine Learning, Natural Language Processing, Web Crawling, Social Science and Analytical skills.

R&D Intern at *ACS Technologies (Florence, SC).*   **2022.02–2023.06**
◇ Redesigned website features for ACST's services wiki. Applied updates in collaboration with the companies writers, community managers, designers, and developers.
◇ Javascript, CI/CD, Web Design, DOM Editing, Figma, SCRUM, and Team Communication.

Projects

Iryna: A Disinformation LLM   **2023.08–pres.**
◇ Developing a large learning model alongside my research partner Iryna from Old Dominion University. Developed a web crawler for obtaining article data both to train our model and perform sentiment analysis. Data is tokenized in R for model training purposes.
◇ Python, R, Spacey, Pandas, Selenium, and SerpAPI.

Facial Recognition   **2021–pres.**
◇ Leading a small team to develop algorithms for understanding facial landmark data as it pertains to facial expression so as to better predict and understand human emotion.
◇ Python, Pandas.

Police Brutality Bot   **Summer 2020**
◇ Developed a Twitter bot @BotBrutality for tracking and cataloguing incidents of police brutality as they were happening over the social media site. The objective was to provide a layer of anonymity for those distributing the content while holding the officers accountable.
◇ Python, Twitter API, Google Sheets API.

Tutoring   **2023.08–2024.05**
◇ Trained three students the basics of software development. I offered a ten part course including one on one personal project development covering Python, object oriented coding, hardware, web development, database and project management.
◇ Python, C++, LEGv8 Assembly, HTML/CSS, Javascript, Bootstrap, SQL, MongoDB, Postman, NodeJS, and Unity.