

Bradley Cao

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Education

Georgia Institute of Technology

Atlanta, GA

Bachelor of Science in Computer Science

GPA: 4.00 / 4.00

University of Maryland

College Park, MD

GPA: 3.87/4.00

Coursework

Computer Systems, Discrete Structures, Organization of Programming Languages, Algorithms, Machine Learning, Computer Vision, Artificial Intelligence, Data Structures, Critical Infrastructure

Technical Skills

Languages: Python, Java, C#, C++, HTML/CSS, JavaScript, C, OCaml, Rust, Assembly

DevTools: Git, Linux, Visual Studio Code, IntelliJ, Jupyter Notebooks, Docker, Unity

Libraries and Frameworks: NodeJS, OpenCV, NumPy, Pandas, Matplotlib, PyTorch, Tensorflow, Flask

Work Experience

George Mason University

Fairfax, VA

Research Assistant

July 2023 - August 2023

- Conducted research on applications of GPT-3.5 LLM for community driven causes
- Utilized Python and fine-tuning of ChatGPT to create a chatbot for interacting with the community on webpages and providing information on climate change.

George Mason University

Fairfax, VA

ASSIP Summer Internship

June 2022 - August 2022

- Principal developer, designer and leader of serious game development project raising awareness on war in Ukraine

Thomas Jefferson High School for Science and Technology

Alexandria, VA

Student System Administrator (Sysadmin)

June 2021 - June 2023

- Lead Sysadmin managing school network resources (separate from school system network)
- Developed and maintain open source technological resources used by students and faculty on daily basis including school intranet, webmail, workstations, compute clusters, signages
- Organized and lead sysadmin team in day to day operation as well as emergency response

Additional Projects

Multicast Mobile

- Novel technology demonstration mobile application for IP multicasting live streaming as part of IETF MTTG initiative

Additional Skills & Interests

Languages: Conversational in Chinese

Interests: Aerospace/Rocketry; Racing; Gaming; Swimming; Sports