Jason Randolph

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EDUCATION

Georgia Institute of Technology, Atlanta, GA   Expected May 2027
- Bachelor of Science in Computer Science
- Activities: Android Development Club, Web Development Club, Big O Theory Club, Georgia Tech Supercomputing, Quantum Computing Club, Chinese Student Association, Intramural Basketball

Sunset High School, Portland, OR   June 2023
- International Baccalaureate and Honors Diplomas, GPA: 4.61/4.00

SKILLS

Programming: HTML, CSS, Bootstrap, JavaScript, Java, C++, Android Kotlin, Flask, NLTK, PyTorch, Tensorflow
Languages: English, Mandarin Chinese, Japanese

PROJECTS

RoadBrain (AI ATL)   Fall 2023
- Spearheaded a collaborative effort with other hackers to develop an innovative traffic monitoring system using the YOLOv8 Object Detection model, and implemented consistent and accurate object tracking functionality through multiple frames in video feeds using the OpenCV library.
- Leveraged PyTorch and Tensorflow to construct a classifier, and utilized PyTorch's VGG model and the Adam optimizer to train the model on diverse datasets.

Book of Art (HackGT X)   Fall 2023
- Developed a website that implemented a user input feature to dynamically generate images in a storybook format using the OpenAI API.
- Proficiently employed HTML, CSS, and JavaScript to design the front-end user interface, utilized Python to craft the back-end software, and seamlessly integrated both through the Flask framework.

Red-Black Tree   Spring 2023
- Created a binary tree data structure with fast storage and retrieval of information in C++.

LEADERSHIP

Beida English Summer Camp, New Taipei City, Taiwan   April 2021—present

Camp Founder, Director
- Planned and oversaw daily camp activities for 30-50 students
- Collaborated with camp assistants to raise awareness of UN SDGs

Sunset High School Track and Field, Portland, OR   March 2021—May 2023

Team Captain, Varsity Sprinter
- Led warmups during practices and meets
- Communicated with coaches about team practice goals and junior sprinters' performance

COURSEWORK
- Introduction to Programming, Web Design, Java Programming, C++ & Data Structures