Anthony Wong

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Education
Georgia Institute of Technology – Atlanta, GA   **August 2020 – December 2023 (Expected)**
- Candidate for Bachelor of Science in Computer Science (4.0/4.0 GPA)
- **Concentration:** Intelligence and Info Internetworks
- **Coursework:** Data Structures & Algorithms, Computer Organization & Programming, Objects & Design, Statistics & Applications

Skills
Programming: Python, C#, Java, LabVIEW, JavaScript, HTML, C, SQL

Concepts: Object-Oriented Programming, Data Science, Jenkins, Jupyter, AWS APIs, Google APIs, ReactJS, Django, Flask, MQTT, Socket Programming, Machine Learning, GUI Development, UDP, Atlassian Suite, REST Api, Git, Agile Methodologies, Multi-Threading, Unit Testing

Work Experience
Georgia Tech Research Institute – Atlanta, GA   **May 2021 – August 2021**
Electronic Systems Integration Intern

Built various tools to aid in the testing of the Electronic Warfare Management System ALQ-213
- Constructed GUIs using *C#* and *Winforms* to increase tool usability
- Leveraged *cURL* to call *Artifactory API* in order to access *NuGet* packages
- Unpacked *Dynamic-link Libraries* extracted from *NuGet* packages in *C#*
- Constructed and sent *UDP* messages from *C#* program to a *Singleton* Broker to communicate with ALQ-213
- Unpacked incoming *UDP* messages for decoding to check the status of ALQ-213
- *Unit Tested* generated libraries using *MSTest* to ensure code reliability
- Used *Jenkins* to verify code changes and run necessary batch scripts

Global Traffic Technologies – Oakdale, MN   **June 2019 – July 2020**
Intern

Brainstormed and prototyped a 911 Smart Response System to improve emergency response times
- Used *Python* and *Google Speech-to-Text API* to synchronously create a text transcript for live dispatch conversations
- Utilized *LabVIEW* and *Amazon Comprehend* to analyze and classify collected text
- Used *Google Maps API* and *LabVIEW* to map out the paths and preempt the intersections for emergency crews
- Prototyped a simulation of the final product through *LabVIEW*

Minnesota State Referee Committee   **May 2015 – Present**
Soccer Referee

- Reffed highly competitive national-level games--ages 9 to 19. Both Center and Assistant Referee.
- Respectfully dealt with angry coaches, players, and parents while enforcing the laws of the game.

Projects
Mini City Analysis (Big Data Big Impact at Georgia Tech)   **January 2021 - Present**

- Used Mini City's *REST Api* in order to access their database of customer info
- Loaded database into *Jupyter* and performed various data cleaning and pre-processing techniques on it
- Utilized *ScikitLearn* and *Pandas* to develop clustering models to gain more insight into the data we pulled
- Leveraged *Keras* and its *Neural Network* framework to develop predictive models

SALON - An Intelligent Debate Platform (HackGT 7 - Emerging Track Best Web Dev Award)   **September 2020**

- Utilized *React* to create UI components for the front end
- Used *Node.js* and *Socket.io* to run the server and handle web-client server communication
- Implemented a method for flagging arguments as potentially false or unsupported
- Added *Firebase* to the server to manage user authentication