Juo-Yang (Ryan) Chen

LinkedIn : www.linkedin.com/in/juo-yang-chen-751398192

Email: juoyangryan@gmail.com

Github : github.com/juoyangryan

Phone: (+1) (848)218-8433

OBJECTIVE

Current technical experiences lie within full-stack web development, data analysis and processing, Arduino, and Raspberry Pi. Seeking opportunities to continue developing interests in Human-Computer Interaction, VR/AR, and learn more about Computer Science in general through an industry environment.

EDUCATION

Georgia Institute of Technology, Atlanta
Bachelor of Science, Computer Science
Threads: Intelligence, Info Internetworks
Expected Graduation: Dec. 2021　　　　　　　*Cumulative GPA: 3.82/ 4.0*
Dean's List: Fall '18, Spring '19 / Faculty Honors: Fall '19, Spring '20

TECHNICAL SKILLS

Languages : *Python, Java, JavaScript, HTML, CSS, git*
Tools/Framework : *Angular, React, JavaFX*
Others : *SolidWorks/Autodesk Inventor (CAD), Waterjet, CNC, Lathe, 3D printer*

PROJECTS

E-commerce Analysis Web App　　　　　　　　　***May. 2019 - Sept. 2019***

Front-end developer of Chrome extension for e-commerce. The web app aims to aid Shopify site owners make educated decisions for selecting products to sell based on Facebook advertisements, the Shopify API, Aliexpress statistics, and Google trends.
- ***Technology/Tools:*** *Angular, TypeScript, Node.js, Angular Materials, Shopify API, Chart.js, git*

HackGT Computer Vision Instrument　　　　　　　　　***Oct. 2019***

Created a Guitar Hero style game that uses the position of ones mouth and fist to determine volume and pitch. The game environment is laid out based on an additional program that separates the main vocal track from midi files. Other instrument tracks are played through Tone.js as background music.
- ***Technology/Tools:*** *JavaScript, OpenCV, Tone.js, Node.js, HTML, CSS, git*

BuildGT Hackathon　　　　　　　　　***Mar. 2019***

Built an autonomous foosball goalie that uses computer vision to recognize the trajectory of the ball and adjust the goal keeper to make a block
- ***Technology/Tools:*** *Python, Raspberry Pi, Arduino, SolidWorks, OpenCV*

Psychology Neuro-markers of Expertise　　　　　　　　　***Aug. 2019 - Dec. 2019***

Led the software script team for running experiments, data collection, and data analysis
- ***Technology/Tools:*** *Python, pandas library, EEG*

RELEVANT COURSES

- Object-Oriented Programming • Data Structures and Algorithms
- Computer Organization and Programming • Objects and Design • Discrete Math
- Statistics and Applications • Multi-variable Calculus • Linear Algebra

LEADERSHIP POSITIONS

GT Tekstyles Vice President
- Organized practices and 3 performances (Spring 18 - Spring '20)

LANGUAGES

- English • Chinese • Taiwanese