Chien-Kuo (Danny) Kuo

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EDUCATION

Carnegie Mellon University
Master of Entertainment Technology in Entertainment Technology | GPA 3.5 / 4.5   May 2021 (Expected) | Pittsburgh, PA

National Taiwan University
Master of Business Administration in Finance | GPA 3.85 / 4.0   Jan. 2019 | Taipei, Taiwan

National Cheng-Chi University
Bachelor of Science in Risk Management and Insurance | GPA 3.37 / 4.0   Jan. 2016 | Taipei, Taiwan

SKILLS

Relevant Courses: Web Application Development, Data Structures, Algorithms, Java for Application Programmers, Computer Networks, Discrete Mathematics, Computer Programming, Calculus, Statistics, Deep Learning Specialization, Version Control with Git.

Programming Languages / Tools: Python, Java, C#, JavaScript, C++, TypeScript, Unity, HTML, CSS, BootStrap, React, NodeJS, PostgreSQL, MySQL, Heroku, Azure, Amazon Web Services, Docker, Keras, Tensorflow, Pytorch, Git, Github, Perforce, Linux, Ubuntu, Jira, Agile, JSON, Visual Studio, Sourcetree.

EXPERIENCE

Research Assistant
AiPEX Lab (CMU)   Jan. 2020 - Now | Pittsburgh, PA
· Team of 6: produced a simulated Pittsburgh city environment for multiple players to explore CMU campus.
· Simulated an autonomous vehicle environment, including cars and pedestrians interactions trained by reinforcement learning.
· Developed a grocery store simulation in Unity to experiment whether different grocery layouts in the supermarket affect profits.
· Technology: C#, Unity, Photon Pun 2, Unity ML-Agents, Object Oriented Programming.

Software Engineer Intern
AngelGrad   May 2020 - Aug. 2020 | Austin, TX
· Developed a landing website and an administrative portal website; constructed pages for university admins to monitor student-alumni relationship, such as statistics, departments, and students.
· Utilized Agile methodology with 3 teammates to practice software development process, including user interface design.
· Technology: HTML, CSS, JavaScript, Bootstrap, React, Amazon Web Services, Agile, JIRA, Figma, MySQL.

PROJECTS

Face Detection Website
https://tinyurl.com/yxnaclt9   Aug. 2020 - Sep. 2020 | Austin, TX
· Generated a system for users to register and login by email and name; encrypted users' password and stored in a database.
· Launched a full-stack web application that detects faces through an image URL. Integrated front-end, back-end, and database.
· Technology: React, NodeJS, PostgreSQL, Heroku, Clarifai RESTful API, Knex, Bcrypt.

Neo Security Lab
https://tinyurl.com/y3yxow84   Jan. 2020 - May 2020 | Pittsburgh, PA
· Team of 4: Created a web game that tests human's trust in artificial intelligence.
· Designed futuristic user interfaces to display AI assistant's suggestions, confidence level, and reasons; invented a checkbox tool to visualize possible layouts.
· Cooperated with Carnegie Mellon University Software Engineering Institute to collect data for artificial intelligence research.
· Technology: Typescript, Cocos2D.

Global Game Jam
https://tinyurl.com/yxnj4vsv   Jan. 2020 | Pittsburgh, PA
· Completed a Mobile AR game that heals the game character by following hints; Team of 4: 1 artist and 3 programmers.
· Implemented game logic and applied Google ARCore SDK to grab virtual items; won the First Penguin Award out of 40 games.
· Technology: Google ARCore, Android, Github.