

Eric Huang

erichuang8077@gmail.com | [linkedin.com/in/huang-eric](https://www.linkedin.com/in/huang-eric) | github.com/eric807791961

EDUCATION

National Yang Ming Chiao Tung University

Master of Science - Information Management

Hsinchu, Taiwan

September 2022 – 2024

San Jose State University

Bachelor of Science – Business Analytics

San Jose, CA, USA

September 2019 – June 2021

Feng Chia University

Bachelor of Science – Business Analytics

Taichung City, Taiwan

September 2018 – June 2019

EXPERIENCE

Cloud Native Researcher - Summar Intern

Taiwan Semiconductor Manufacturing Company

Hsinchu, Taiwan

July 2023 – September 2023

- Integrated cloud-native and serverless technologies into Java architectures, boosting system interoperability
- Deployed open-source API management tools into Kubernetes CI/CD pipelines, enhancing API versioning and cross-team collaboration

3D Computer Vision Researcher - Semester Intern

Industrial Technology Research Institute

Hsinchu, Taiwan

January 2023 – June 2023

- Analyzed deep learning research papers on super-resolution and 3D imaging, enhancing imaging capabilities
- Collaborated with the R&D team to implement complex model architectures, improving project efficiency

San Jose Downtown West Gateway Project - Project Intern

Google

San Jose, CA, USA

February 2021 – June 2021

- Led a team of 5 to develop urban innovation ideas, managing tasks using Gantt charts
- Designed and analyzed surveys for 121 participants to understand urban innovation needs, providing actionable insights
- Conducted web scraping and created visualizations, leading to the adoption of suggested events by Google

PROJECTS

Traversal Visualization Website | *React, JavaScript, CSS*

- Developed an interactive tool for visualizing traversal algorithms (DFS and BFS) using React and JavaScript
- Utilized a maze as the medium to demonstrate the working of traversal algorithms, including finding the shortest path
- Enhanced user experience with draggable start and end points, responsive design, and animations

Computer Vision Project | *Python*

- Implemented real-time hand movement detection using OpenCV and Mediapipe
- Developed a system to control Windows master volume through hand gestures using Pycaw

Taipei Housing Market Price Prediction | *Python*

- Conducted data cleaning, feature engineering, and exploratory data analysis (EDA) using Python libraries
- Developed predictive models using XGBoost, CatBoost, Random Forest, KNN Regressor, and Linear Regression, achieving 85% accuracy

European Innovation Academy | *Market Research*

July 2018 – August 2018

- Led a team of 6 in business briefings for angel investors, advancing to the next qualification stage
- Developed and analyzed 200+ questionnaires; conducted market research including 4P and STP strategy analysis
- Performed competitive analysis using five forces analysis

TECHNICAL SKILLS

Languages: Java, Python, C++, SQL, JavaScript, HTML/CSS, R

Frameworks: React, Node.js, Next.js, Tailwind CSS

Developer Tools: Git, Docker, Kubernetes, Tableau, SPSS