

Ming-Ju Kuo

Tel: (571)320-7901 | Email: kuo.ming.ju@gmail.com | Personal Website: <https://ntueeboy.github.io>

Summary

CS graduate student at Virginia Tech. Two years of hands-on experience in the software industry, with a focus on web-based applications. Demonstrated proficiency in developing and testing web-based applications, showcasing a strong technical skillset. Engaged in a dynamic Agile (Scrum) environment, contributing to collaborative and efficient team workflows.

Education

Virginia Tech , Falls Church, VA <i>MEng in Computer Science</i>	08/2023 – 12/2024
Technical University of Dresden , Dresden, Germany <i>MSc in Bioengineering</i>	10/2016 – 09/2019
National Taiwan University , Taipei, Taiwan <i>BSc in Life Science and Geosciences (double major)</i>	09/2010 – 06/2015

Non-degree Certificate

Fu Jen Catholic University , New Taipei City, Taiwan <i>Software Engineering program</i> <i>Relevant Course: Linear Algebra, Discrete Math, Data Structures, Algorithms, and Operating System</i>	09/2021 – 06/2022
--	-------------------

Professional Experience

Taiwan AI Labs , Taipei, Taiwan <i>Software Engineer Intern</i> <ul style="list-style-type: none">Architected a microservice infrastructure for task management module, enhancing scalability and addressing race conditions, and deployed the microservice to Kubernetes clusters for integration.Spearheaded the development of APIs for the bioinformatics platform (GenDiseak), streamlining the execution of complex bio-analysis pipelines.	06/2023 – present
Lyntics GmbH , Munich, Germany <i>Junior Software Engineer</i> <ul style="list-style-type: none">Designed Restful APIs for the web application to handle complicated users and items permission logic.Cooperated with front-end engineers to integrate React with well-defined APIs.Developed unit tests for APIs and integrated the tests with Bitbucket pipeline for CI/CD.Created the microservice such as NGINX for web encryption and reverse proxy.	04/2022 – 01/2023
NZXT, Inc. , City of Industry, CA (remote) <i>Junior Software QA Engineer</i> <ul style="list-style-type: none">Implemented end-to-end test automation for the e-commerce website and the web-based desktop application (CAM) with CucumberJS in TypeScript to ensure the quality of applications.Integrated GitHub Action CI workflow with TestRail and Slack API to report the daily test result.Designed the test cases to cover all the new features as much as possible.	12/2020 – 03/2022

Skills

Programming	TypeScript, Python
Framework	NestJS, express,
Tools	Git, Docker, Kubernetes, Slack API, TestRail API

Publications

A Acevedo, Sara Ciucci, **MJ Kuo**, Claudio Durán, Carlo V Cannistraci. Measuring group-separability in geometrical space for evaluation of pattern recognition and embedding algorithms (**IEEE Access**)