Brandon Ha

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Computer Science graduate looking for an internship or entry level position to utilize experience in backend applications and further develop front-end skills through scalable web apps.

EDUCATION

University of California – Irvine   *September 2017 – March 2021*
B.S. Computer Science | 3.84 GPA

PROJECTS

Japanese to English Translator
- Explored NLP through machine translation via Keras and PyTorch
- Developed pipeline to handle unprocessed data, train neural networks, and evaluate translation performance (collaboratively with two other colleagues)
- Documented learning process and findings thoroughly in paper (available on GitHub)
- Written in Python with final implementation based on Keras

Structured Light Scans to 3D Model Generator
- Designed pipeline to convert sets of structured light scans of objects into 3D models using SciPy, Matplotlib, and MeshLab
- Implemented reconstruction, mesh smoothing, camera calibration, and mesh generation in Python

Wi-Fi Touch Lights
- Synchronizes Wi-Fi-connected, touch-enabled lights by color
- Adapted original Arduino code (C/C++) for affordable microcontroller platform
- Implemented MQTT server compatibility for increased flexibility

PCPartDeals (pcpartdeals.vercel.app)
- Collects PC part deals using Reddit API and presents deals to user
- Built with React and JavaScript

EXPERIENCE

UCI Student Center & Event Services   *April 2019 – February 2021*
Operations Crew Member/Building Lead
- Assisting in core aspects of event operations including furniture and audiovisual setups
- Providing administrative support in professional photography and videography events while guiding teams to complete room setups in time-sensitive conditions

SKILLS

Python | C | C++ | HTML | CSS | JavaScript | React | MySQL | MongoDB