

# CHEN-WEI WENG

+1(551)227-1996 | cwweng@bu.edu | 54 Quint Ave Allston, MA | [www.linkedin.com/in/cwweng0221](http://www.linkedin.com/in/cwweng0221)

## EDUCATION

### **Boston University, College of Engineering**

*Master of Science in Electrical and Computer Engineering*

Boston, Massachusetts

*Expected Dec. 2021*

### **National Taiwan University**

*Master of Science in Physics*

Taipei, Taiwan

*Jan. 2016*

**Honors:** College Student Research Scholarship-Academia Sinica, Research Fellowship-TSMC NTU Research Center

### **National Central University**

*Bachelor of Science in Physics*

Taoyuan, Taiwan

*Jun. 2013*

**Relevant Courses:** Data Structures and Algorithms, Machine Learning, Design by Software, Product Design in ECE

## EXPERIENCE

### **Daily Travel Service Co., Ltd.**

*Software Engineer Intern*

Taipei, Taiwan

*May. 2020 – Aug. 2020*

- Constructed a flight scheduler by using Node.js and APIs, resulting in a 30% improvement over the old process in collaboration with other employees.
- Built customer management system to store customers' travel history and personal information on MySQL

### **Micron Technology**

*Product Engineer Lead*

Taichung, Taiwan

*Dec. 2016 – Apr. 2020*

- Led a team of 5 engineers to conduct whole product flow from design, fabrication, assembly to test end
- Improved 3% test yield which saved over \$80000 per week
- Programmed a system for weekly monitoring yield loss pareto in Python and Pandas
- Designed new trim algorithms for next-generation sense amplifier resulted in an increase of 35% read accuracy

## PROJECTS

### **Task Management System** [JavaScript, Express.js, MongoDB, Node.js, Postman]

- Implemented the RESTful APIs for CRUD operations on MongoDB database
- Utilized Bootstrap to present front-end design
- Validated and debugged each functionality in the website using Postman

### **House Hunting Application** [JavaScript, React.js, Express.js, MongoDB, Node.js, Scrapy]

- Crawled over 10,000 rows of data on well-known rental housing websites with Scrapy
- Built Schema and Model relationships between documents in MongoDB to store the price change of houses
- Developed an API with variable features to process the data from MongoDB using Express.js

### **Keeper Application** [React.js, React Hook, Google OAuth, passport.js]

- Designed the web front-end by React.js and React Hook
- Enabled users to sign in with their Google accounts by using Google OAuth and passport.js

### **Happy City-Twitter Sentiment Analyzer** [Google NLP, Twitter API]

- Implemented a streamer and retrieved tweets of major cities in the United States by using Twitter API
- Used Google NLP to perform sentiment analysis

### **Zoom Clone Application** [WebRTC, React.js, Express.js, AWS]

- Built a peer-to-peer real-time video conference application with WebRTC
- Deployed website on AWS EC2

## SKILLS

**Programming:** Java, JavaScript, Python, C++, SQL, HTML, CSS, MATLAB

**Frameworks:** Express.js, React.js, Bootstrap

**Database and Tools:** Git, MongoDB, MySQL, Node.js, Linux, mongoose, Postman, JMP