

# CHEN-WEI WENG

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## EDUCATION

<b>Boston University, College of Engineering</b> <i>Master of Science in Electrical and Computer Engineering</i> <b>Relevant Courses:</b> Machine Learning, Design by Software	Boston, Massachusetts <i>Expected Dec. 2021</i>
<b>National Taiwan University</b> <i>Master of Science in Physics</i> <b>Honor:</b> College Student Research Scholarship-Academia Sinica, Research Fellowship-TSMC NTU Research Center	Taipei, Taiwan <i>Jan. 2016</i>
<b>National Central University</b> <i>Bachelor of Science in Physics</i>	Taoyuan, Taiwan <i>Jun. 2013</i>

## EXPERIENCE

<b>Daily Travel Service Co., Ltd.</b> <i>Software Engineer Intern</i> <ul style="list-style-type: none"><li>Cooperated with other employees to construct a flight scheduler using Node.js and APIs, resulting in a 30% improvement over old process.</li><li>Built customer management system to store customers' travel history and personal information on MySQL</li></ul>	Taipei, Taiwan <i>May. 2020 – Aug. 2020</i>
<b>Micron Technology.</b> <i>Product Engineer Lead</i> <ul style="list-style-type: none"><li>Led 5 engineers and conducted whole product flow from design, fabrication, assembly to test end</li><li>Improved 2% test yield which saved \$80000 per week</li><li>Programmed a system for weekly monitoring yield loss pareto in Python and Pandas</li><li>Designed new trim algorithm for next generation sense amplifier resulted in an increase of 35% read accuracy</li></ul>	Taichung, Taiwan <i>Dec. 2016 – Apr. 2020</i>

## PROJECTS

<b>Task Management System</b> (JavaScript, Express.js, MongoDB, Node.js, Postman) <ul style="list-style-type: none"><li>Implemented a RESTful API for CRUD operations on MongoDB database</li><li>Utilized Bootstrap to present front-end design</li><li>Validated and debugged each functionality in the website using Postman</li></ul>	<i>Jul. 2020</i>
<b>House Hunting App</b> (JavaScript, React.js, Express.js, MongoDB, Node.js, Scrapy) <ul style="list-style-type: none"><li>Crawled over 10,000 rows of data on well-known rental housing websites with Scrapy</li><li>Built Schema and Model relationships between documents in MongoDB to store the price change of houses</li><li>Added filters and dropdown menus for users using React.js</li><li>Developed an API with variable features to process the data from MongoDB using Express.js</li></ul>	<i>Apr. 2020</i>
<b>Keeper App</b> (React.js, React Hook, Google OAuth, passport.js) <ul style="list-style-type: none"><li>Built a responsive web application for users to store their noted</li><li>Designed the web front-end by React.js and React Hook</li><li>Enabled users to sign in with Google account by using Google OAuth and passport.js</li></ul>	<i>Jan. 2020</i>

## 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