

MENG-CHUAN CHANG

Address

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EDUCATION

University of Pennsylvania

M.S. in Scientific Computing

Sept. 2021 - Present

PA, United States

- Relevant courses: Algorithm/Data Analytics/Computer Vision

National Tsing Hua University

B.S. in Power Mechanical Engineering

Sept. 2015 - June 2019

Hsinchu, Taiwan

- Overall GPA 4.06/4.30, ranked within top 3% of class
- Academic Achievement Award × 1

WORK EXPERIENCE

Evith Technology (Artificial Intelligence Startup)

Software Engineer, ID Analyzer (Identity Verification SaaS Solutions)

Sept. 2020 - June 2021

Taichung, Taiwan

- **Added new features in ID card authentication function**
 - Developed feature detecting system for ID card by implementing computer vision technique
 - Captured plausible ID card via analyzing color space (e.g. black-and-white image)
 - Saved 90% processing time of image cropping function with simplified image warping algorithm
- **Integrated Object Detection System of ID Card into web application**
 - Developed object detection system for capturing frames with ID card in browser with Tensorflowjs
 - Built up websites in express.js framework for demoing our API product to worldwide customers
- Wrote thousands of Regular Expression to match OCR's result of worldwide ID cards and driver licenses

ZEASN (Providers of OTT and Smart TV Solutions)

Qualification Assurance & Project Manager

Mar. 2020 - July 2020

Taipei, Taiwan

- Validated app on smart TV (e.g. CatchPlay) and managed the back-end app and device server
- Managed ResourceBundle (Set multiple language in software) and used git to control its version
- Handled customer complaint and cooperated with R&D from all over the world

PROJECT

YelpCamp

The Web Development Bootcamp

Mar. 2020 - Aug. 2020

Udemy Course

- Node.js web application with RESTful routing
- Function: Authentication / Image Upload / Pagination / Fuzzy Search / Database / Deploying
- Link: [Website](#) / [Github Repo](#)

TECHNICAL STRENGTHS

Programming Skills

C, Matlab, Javascript, Python, Go, L^AT_EX, git, OpenCV

Web Development

HTML, CSS, Bootstrap, Node.js, Express.js

ML Framework

Tensorflow, Tensorflowjs, Pytorch