

Fangzheng Chen

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EDUCATION

University of Maryland, College Park, MD
Bachelor of Science in Computer Engineering

Dec 2022

TECHNICAL SKILLS

Skill Sets: C, MATLAB Java,Python, JavaScript, Ocaml, Ruby, Rust, SVN, Git

RELEVANT COURSEWORK

Reverse Engineering

Computer System Security

Operating System

Computer Vision

PROFESSIONAL EXPERIENCE

System Engineer | *Dinatouch POS*

April 2023 - June 2024

- Provided technical support for POS software across Windows, Android, and iOS platforms.
- Resolved internet connectivity and credit card transaction issues, enhancing customer transaction efficiency.
- Conducted on-site installation and configuration of computer systems, including POS computers, KDS, and kiosks in restaurant environments.
- Trained restaurant staff on POS system features and customized the system to meet their expectations.
- Collaborated with an international development team for issue resolution and software updates.

PROJECT EXPERIENCE

DF BiliBili (Javascript) | *Personal*

June 2022

- A Google Extension that sanitizes a video sharing website, BiliBili, using HTML, CSS and JS.
- Inspired by the Netflix documentary *The Social Dilemma* and Google Extension DF Youtube.

Side Channel Attack (C) | *University of Maryland, College Park*

Nov 2021

- Discovered the number of students and assignments by observing size changes in an encrypted grading system.
- Analyzed size changes based on different commands and identified distinctions between them.

Panorama Stitching (MATLAB) | *University of Maryland, College Park*

Sep 2021

- Created feature descriptor for strong corner points in the images and matched the corners in the two images.
- Implemented random sample consensus (RANSAC) on all the possible combinations to find the best match and use it for the image homography.

Oversand Vehicle Project (Arduino) | *University of Maryland, College Park*

Sep 2018

- Built a vehicle from scratch with a limited budget that can navigate itself towards the mission site, distinguish the metal of the tripod on the site, collect the tripod with its 3D-printed pitchfork, and weigh the tripod.
- Led navigation sub-team, won the Mission Winner for the Material Identification (5 out of 60 teams).

