

Michael Chen

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EDUCATION

University of California, San Diego • GPA: 3.662 • June 2020

Major: Data Science (B.S.) • Minor: Mathematics

Data Structures • Statistics and Differential Equations

Java • C • Python • HTML/CSS/Javascript • MATLAB • LaTeX

RESEARCH AND PROJECTS

Sustainable Symphony (SuSy) • software designer, researcher • Jan 2018 - present

Developed a waste-sorting device that acoustically identifies waste items, then sorts based on this identification as trash, compost, or recycle (can differentiate between plastic, metal, and paper)

DragonBoard 410C programming • Python • Arduino sketches in C • Fast Fourier Transforms

Created during H.A.R.D Hacks 2018 • <https://github.com/mc1134/Team-0D-Hypercube>

MeetUp • front-end developer, bot listeners • Nov 2017 - present

Developed Messenger bot that finds the best place for a group of people to meet up at

Javascript • Glitch Botkit • Facebook Messenger

Created during SD Hacks 2017 • <https://github.com/jchazen/glitch>

Bottles to Models • project co-leader • Jan 2017 - present

Creating a system to recycle HDPE plastic into 3D printer ink

Solar Interact • front-end developer • Nov 2016 - present

Designing an interactive display aiming to increase education about solar energy and sustainability

Personal website / online portfolio (mc1134.github.io)

Built webpage from scratch displaying projects and collaborations

WORK EXPERIENCE

Math Success Tutoring • Oct 2016 - Jan 2017

Independent tutor; taught advanced mathematics

Assisting Individuals with Disadvantages (AID) Internship • Jul 2015

One of 400 volunteer intern teachers selected from ≈ 1200 applicants

Designed and taught a 2-week English curriculum to elementary school children at Taiwan

Community Service

Piano mentor • Apr 2014 - Aug 2015

Free private lesson sessions • 1 hour per week for 68 weeks

Math tutor at Hamilton High School • Aug 2012 - Aug 2016

Homework help across various math levels • no time estimate

AP Calculus private tutoring • 4 hours per month for 16 months

IDEA Museum gallery volunteer • Aug 2015 - present

Organized supplies, cleaned galleries, demonstrated and presented exhibits • 80 hours

References available upon request.