Michael Chen

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EDUCATION

Bachelor of Science in Math/Computer Science   June 2019
University of California, San Diego   *Technical GPA: 3.858*

EXPERIENCE

Project Manager: Bottles to Models   UCSD | Jan 2017 – Present
- Building an inexpensive and environmentally-friendly system to recycle PLA and HDPE plastic into 3D printer ink to reduce the environmental impact of plastic waste and micro-plastics
- Planning and leading team meetings and organizing team socials to ensure a good dynamic and healthy work environment for members
- Presenting project at numerous conferences and outreach events

Front-end Developer: Solar Interact   UCSD | Nov 2016 – Jun 2018
- Designed an interactive display aiming to increase awareness and promote education about solar energy and sustainability
- Built a map application to help visitors and students navigate the UCSD campus and created a hand crank generator to attract and encourage students to be more engaged and interested in solar power, technology, and sustainability

Professional Tutor: Math Success Tutoring Agency   La Jolla, CA | Oct 2016 – Jan 2017
- Communicated with students frequently to determine which subjects they needed help on the most; produced worksheets and subject outlines with theorems, definitions, and example problems
- Tutored high school and college students in math subjects such as Linear Algebra, Calculus (on-level, Vector, Multivariable), Differential Equations, Vector Geometry, Trigonometry

EXTRACURRICULAR ACTIVITIES

HARD Hacks 2018: Built proof of concept of a recycling machine that sorts materials by sound in Python 3; won honorable mention prize

TreeHacks 2018: Built an Android game using Navisens API; winner of "Best AR App Using Navisens"

BlueprintCS 2018: Designed a four-year planner application with use case diagrams, wireframes, testing outlines, and project planning applications

Music Transcription: Composed and transcribed songs for chamber orchestra and musical ensembles

TECHNICAL SKILLS

Languages: Java, Python, C++/C, LaTeX, HTML/CSS, Bash, Assembly, R, MATLAB

Technologies: Git, Vim, Google Suite, Microsoft Office Suite, Android Studio, Eclipse, Blender

Topics: Software Development, Data Structures, OOP, Efficient Algorithms, Data Science, Discrete Mathematics, Combinatorics, Statistics