Michael Chen

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Mobile application developer with an emphasis on sustainable solutions. Demonstrated abilities to deliver high-quality results under tight deadlines and quickly learn and apply new technologies. Highly accountable leader with strong collaboration and communication skills.

EDUCATION

Bachelor of Science in Math/Computer Science   June 2019
University of California, San Diego   *Technical GPA: 3.863*
Provost's Honors List

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, Error Analysis, Statistics, Combinatorics

EXPERIENCE

Project Manager: Bottles to Models   UCSD | Jan 2017 – Present
  - Building an inexpensive and environmentally-friendly system to recycle HDPE plastic into 3D printer ink to reduce the environmental impact of plastic waste and micro-plastics
  - Successfully printed using filament produced from recycled PLA

Front-end Developer: Solar Interact   UCSD | Nov 2016 – Jun 2018
  - Designed an interactive display using Android Studio 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
  - Tutored high school and college students in math subjects such as Linear Algebra, Calculus (on-level, Vector, Multivariable), Differential Equations, Vector Geometry, Trigonometry
  - Communicated with students frequently to determine which subjects they needed the most help; produced worksheets and study aids with theorems, definitions, and example problems

COMPETITIONS AND AWARDS

- **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; won "Best AR App Using Navisens"
- **BlueprintCS 2018**: Designed a four-year planner application with use case diagrams, wireframes, testing outlines, and project planning applications