Mark Chen

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EDUCATION

- **New York University** — Expected May 2020
  B.A. Computer Science

EXPERIENCE

- **Energy Metrics LLC** — Summer 2018
  Software Engineering Intern
  - Improved financial reporting by implementing a new database schema using SQL Server Manager
  - Generated automatic timed error reports from newly installed IoT devices via APIs
  - Designed C# automation solutions to streamline engineering and MS Azure work-flows

- **New York University** — Fall 2017 - Spring 2018
  Teaching Assistant
  - EG1003 (Intro to Engineering) - Graded weekly laboratory reports and provide feedback on progress and content

- **WSP USA** — Summer 2017
  Mechanical Engineering Intern
  - Performed CAD support for mechanical systems with AutoCAD and helped conduct heat load calculations

- **Georgetown University** — Summer 2015
  Research Intern
  - Synthesized novel platinum-based nano-catalysts for direct alcohol fuel cell applications
  - Combined Ni-Cu with Pt and Ag bases to eliminate partial oxidation channels and improve power density

PROJECTS

- **Trivia Quiz** — Spring 2018
  - Online trivia quiz that verifies user-created credentials and tracks their responses in a database
  - Worked with HTML/CSS, Python, and MySQL

- **NYU Baja SAE Team** — Fall 2017 - Spring 2018
  Team Member
  - Performed CAD design and performance calculations on a semi-custom steering system
  - Coordinated with suspension team to plan steering assembly integration with vehicle frame

- **Railroad Guidance System** — Spring 2017
  - Designed a logic circuit to automatically navigate a train through a track with random blocking signals
  - Used LabVIEW for circuit design, simulation, and system analyses

LANGUAGES & SKILLS

- **Proficient:** Java, C#, C, SQL
- **Prior Experience:** Python, HTML/CSS, C++, JavaScript, MatLab, R, MongoDB
- **Other:** Microsoft Office, LabVIEW, SolidWorks