

# Michael Song

620 Wellsbury Way, Palo Alto, CA 94306  
micsong@seas.upenn.edu | (734)834-7598

<https://www.linkedin.com/in/michaelsong0/>

## EDUCATION

**UNIVERSITY OF PENNSYLVANIA** | EXPECTED MAY 2021 | PHILADELPHIA, PA

- School of Engineering and Applied Sciences | BSE in Computer Science
- The Wharton School, Concentration in Statistics | BS in Economics
- Dean's List • Cum. GPA: 3.94 / 4.0

## RELEVANT COURSEWORK

Introduction to Algorithms  
Automata, Computability, and Complexity  
Mathematical Foundations of Computer Science

Linear Algebra/Differential Equations  
Probability  
Statistical Inference

## EXPERIENCE

**GAC RND CENTER SILICON VALLEY** | DATA ANALYTICS INTERN

Jun 2018 - August 2018 | Sunnyvale, CA

Implemented an extended kalman filter and an RLS algorithm in Matlab and Python to take in large data sets and estimate an electric car battery's SOC, SOH, and SOP on a cell level and a pack level within a 4 percent margin of error.

**UPENN GAME DEVELOPMENT CLUB** | MEMBER

Sep 2017 - Dec 2017 | Philadelphia, PA

Developed a 2D side scrolling puzzle game in Unity.

**BEAM MESSENGER** | STUDENT AMBASSADOR / MARKETING INTERN

Sep 2016 - May 2017 | Palo Alto, CA

Worked with industry professionals to generate publicity through recurring events at my high school for BEAM Messenger.

## AWARDS

**FBLA STATE CHAMPION** | BANKING AND FINANCIAL SYSTEMS

Apr 2016

Competed against all other teams in California that were top 4 in their region in a case study competition. Created and then presented investment portfolios for hypothetical clients with given circumstances.

**NATIONAL MERIT FINALIST** | GENENTECH

May 2016

Winner of the \$2000 Genentech Scholarship. Criteria included PSAT scores, SAT scores, and an essay.

## LANGUAGES

### PROGRAMMING

Most Comfortable:

Java • Matlab • OCaml • Python •  $\LaTeX$

Familiar:

HTML • CSS • Scheme

### SPOKEN & WRITTEN

Native fluency:

English

Speaking fluency:

Chinese, Spanish