

# Kevin Sun

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## EDUCATION

**University of Pennsylvania | The Wharton School and Engineering** *Sept/2018 - May/2022*

- Freshman pursuing dual-degree at the Jerome Fisher Program in Management and Technology

**Phillips Academy, Andover MA**

*Sept/2014 - Jun/2018*

- AP Calculus BC, AP CS, Multivariable Calculus, Linear Algebra, Machine Learning/Data Mining, Data Structures and Algorithms, Data Visualization, Open Source Movement

## WORK EXPERIENCE

**Computer Vision Software Engineering Intern at Aerospec**

*Jul/2018 - Aug/2018*

- Worked on the AI team at energy asset management solutions startup in Harvard Innovation Labs
- Used OpenCV for computer vision tasks (drone video image stitching) on production servers
- Worked on machine learning projects such as solar panel defect detection with Tensorflow
- Wrote business case studies to analyze the best method of solar inspection (infrared vs. IV)

**Robert S. Peabody Museum of Archaeology Notecard Project**

*Jan/2017 - Jun/2018*

- Digitize catalog cards using pre/post processing, Optical Character Recognition (OCR) techniques, and custom spell-checking algorithms
- Developed a Django web-platform for the museum staff to query their collections database
- Deployed within Andover intranet and actively used by museum staff and students

**Technology Intern at Kynplex, Cambridge MA**

*Jun/2017 - Aug/2017*

- Joined a startup team to bring scientific news and labs together in an online community
- Gathered user data into Pandas data frames, applied NLP and Machine Learning techniques (SVM, Random Forest, etc.)
- Created models to extract keywords from articles and deliver customized content to users

**Data Visualization Portfolio**

*Sept/2017 - Dec/2017*

- Solar Map project (solar radiation at various coordinates in MA), Clustering Visualization, and Airline Reputation Predictor (using Naive Bayes Twitter sentiment analyzer) hosted on [Github](#)

## LEADERSHIP EXPERIENCE

**Co-Founder, Hack New England High Schools**

*Oct/2016, Nov/2017*

- Organized 12-hour [hackathon](#) for 250 participants from 40+ high schools at Microsoft venue, acquired 10+ corporate sponsors including Facebook and Akamai, raised \$10k+ of funding
- Delivered [TED talk](#) about the experience, featured in local news sites

**Co-Founder, Startup Andover Entrepreneurship Club**

*Sept/2016 - Jun/2018*

- Led three student teams through learning entrepreneurial topics via MIT Launch program
- Organized local [Andover Clean Energy Hackathon](#) with speakers and 3D modeling workshops

## HONORS AND AWARDS

- American Invitational Mathematics Examination (AIME) Qualifier, 2014, 2015
- Silver Division Member in USA Computing Olympiad (USACO), 2016
- Won Abbot Grant (\$800) from Abbot Academy Association for [SchoolGround](#) MVP product to expand within my school, allowing students to create online study groups

## SKILLS AND INTERESTS

**Technical:** Python, Java, C++, JavaScript, Full Stack Developer (Django, RoR), Git, Matlab, D3.js, Arduino

**Hobbies:** Avid Tennis, Squash, and Ping-Pong Player, Ultimate Frisbee, Amateur Pianist, Amateur Chef