KEVIN SUN

781.392.6616 ◇ kysun@wharton.upenn.edu ◇ linkedin.com/in/ksun ◇ github.com/ksun0

EDUCATION

University of Pennsylvania, Philadelphia PA *September 2018 - May 2022*
BSE in Computer Science and BS in Economics dual-degree at the Jerome Fisher M&T Program.

- Relevant Engineering Coursework: Mathematical Foundations of Computer Science, Data Structures and Algorithms, Intro to Computer Systems.

- Relevant Wharton Coursework: Probability, Corporate Finance, Intro to Management.

Phillips Academy, Andover MA *September 2014 - June 2018*
Relevant Coursework: AP Calculus BC, Multivariable, Linear Algebra, Machine Learning/Data Mining, Data Visualization, Open Source Movement

WORK EXPERIENCE

Microsoft, Redmond WA June 2019 - August 2019
Software Engineering and Product Management Explore Intern on Azure Compute

· Worked with lead and principal engineers to develop a MVP in C# for the Azure portal – low-cost and integrated cloud hosting solution supporting Angular, Vue, and React frameworks.
· Built customer-facing APIs and a CLI experience, explored methods to propagate resources (certificates, custom domains, etc.) in a globally replicated, multi-tenant environment, integrated with build system.
· Participated in customer calls, wrote design specs, and made competitor analysis presentations.

Wharton Management Department, Philadelphia PA January 2019 - May 2019
Research Assistant

· Analyzed Crunchbase and news data for startup success factor research for Dr. Andrea Contigiani (WG'19 Management Ph.D.).
· Scraped data into Pandas data frames, applied NLP techniques including sentiment analysis.
· Created time-series visualizations and models (TF-IDF, Word2vec, LSTM) to classify articles.

Aerospec, Cambridge MA July 2018 - August 2018
Computer Vision Software Engineering Intern

· 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.

LEADERSHIP & PROJECTS

Co-Founder of Hack New England High Schools *October 2016, November 2017*
Directed 12-hour hackathon, hacknehs, for 250 participants from 40+ high schools at Microsoft venue.
Acquired 10+ corporate sponsors including Facebook and Akamai and raised $10k+ of funding.

Robert S. Peabody Museum of Archaeology Notecard Project *January 2017 - June 2018*

· Digitized 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.

TECHNICAL STRENGTHS

Strong	Python, Java, C#, Django, Git, D3, Jupyter, Tensorflow, Scikit-learn, Pandas
Knowledgeable	OCaml, JavaScript, Ruby on Rails, Matlab, Matplotlib, OpenCV, Arduino