

Jason Kao

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Education

Stuyvesant High School, New York, NY

Graduating June 2018

High School Diploma. GPA: 94/100 (latest semester: 96.5)

SAT: 1540/1600 (W: 22/24), ACT: 35/36

Relevant Coursework: Multivariate Calculus, AP Computer Science, AP Calculus BC, Data Structures and Algorithms, AP Physics C, AP Statistics

Extracurriculars: [Editor] The Stuyvesant Spectator Web Department, [President] StuyLAUNCH - Entrepreneurship Club, [Director] StuyHacks

Will be pursuing a B.S. in Computer Science at time of employment

Will enroll June 2018 - June 2022

Work Experience

Viafly, Remote

Jul 2017 - Sep 2017

Software Engineer Summer Intern

- Led overhaul of React on Rails interface for optimized data flow and dynamic store displays on Google Maps
- Implemented major refactor of the Viafly codebase to EcmaScript 8 and Redux

Imminent Digital, New York, NY

Jan 2017 - March 2017

Software Developer (Freelance)

- Developed volunteer and funding campaign functionality for Angular social networking platform
- Reworked messaging interface on MEAN stack for March V1 release

Story2, New York, NY

Mar 2016 - Sep 2016

Software Developer Intern

- Implemented user dashboard and onboarding functionality essay writing platform
- Integrated HighchartsJS front-end for teacher dashboard with .NET framework

Projects

The Stuyvesant Spectator (<https://git.io/vFWCw>)

Jun 2017 - Present

Project Manager spearheading the design, dev, tests, and demo's of Spectator software products. Overlook four JS dev's, eight Rails dev's, and two designers.

Alfred Prufrock Editor (<https://git.io/vFWW3>)

Sep 2017

MHacks X Best Google Cloud Machine Learning API Hack

A web application, built on Node.js and Express, with Jade, D3, and GCP's NLP API to augment free-writing. Constructs, real-time, a tree that holds dependent nouns as nodes and recursively creates edges using morphology and syntax analysis. Won Best Google Cloud Machine Learning API Hack.

CitiDots (<https://git.io/vFWWP>)

Nov 2016

Data visualization project to mass-visualize the movement of bikes from NYC's Citi Bikes. Used heatmaps and analysis to predict the path of each bike and simulate movement across a map.

Skills

Languages: Python, Java, JavaScript (ES8), C++, C, C#, Ruby, SQL (PostgreSQL, MySQL), Lisp

Libraries & Frameworks: React & Redux, Rails, pandas, Node, Angular, AWS, Google Cloud Platform

Tools & Technologies: Git, Docker, Unity3D, Sketch, Illustrator, UNIX, Microsoft Office

Honors

- 1st Place, Two Sigma High School Data Science Competition (2017)
- Google's Best ML Hack, MHacks X (2017)
- Top 3, HackNYU (2017)
- 2nd Place, I.invest Startup Competition (2017)
- Honorable Mention, PennApps (2018)
- Semifinalist, National Merit Scholarship (2017)
- C2's Best Hack for Air Traffic, MHacks 9 (2017)