Jason Kao

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Education

Stuyvesant High School, New York, NY   **Graduating June 2018**

High School Diploma. GPA: 94/100 (Junior year: 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

Story2, New York, NY   **Mar 2016 - Sep 2016**

Front-end Developer

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

Code Leaders, New York, NY   **Nov 2015 - Feb 2016**

Curriculum Engineer

- Created Python curriculum for the nonprofit Everybody Code Now!.
- Wrote instructional material, from basic PowerPoints to labs and helper code.

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: Java, Python, JavaScript (ES8), Ruby, PostgreSQL, Lisp, C#

Libraries and Frameworks: ReactJS (Redux), NodeJS, AngularJS, Google Cloud Platform, AWS, Flask, pandas, Rails

Tools & Technologies: Emacs, WebStorm, Git, PyCharm, RubyMine, Unity3D, Sketch, Illustrator, UNIX, Microsoft Office

Honors

- **1st Place,** Two Sigma High School Data Science Challenge (2017)
- **Google's Best ML Hack,** MHacks X (2017)
- **C2's Best Hack for Air Traffic,** MHacks 9 (2017)
- **2nd Place,** I.invest Startup Competition, (2017)
- **Semifinalist,** National Merit Scholarship (2017)
- **Certificate of Honor,** American Red Cross (2016)