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, *ACT:* 35
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, [Founder & 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

- Expanded React on Rails interface to show dynamic Google Maps displays of stores in shopping cart
- 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
- Conducted heuristic user testing among peers at Stuyvesant High School.

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 **Jun 2017 - Present**

Project Manager spearheading the development of a ReactJS client-facing application and content management system and a Rails RESTful API. Overlooking six developers and two designers, I lead the design, development, and tests of each of these applications as well as present pre-release versions to the managing board.

Alfred Prufrock Editor **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 **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: JavaScript (ES8), Java, Python, 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

- **Best Google Cloud ML API Hack,** MHacks X (2017)
- **Social Impact Top Three,** HackNYU (2017)
- **Best Hack for Air Traffic Control,** MHacks 9 (2017)
- **2nd Place,** I.invest Startup Competition, (2017)
- **Semifinalist,** National Merit Scholarship (2017)
- **Certificate of Honor,** American Red Cross (2016)