James Anderson

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EDUCATION

New York University, Courant Institute of Mathematical Sciences Class of 2021
BA, Computer Science and Mathematics

EXPERIENCE

***Participant*, Google CodeU, Mountain View, CA** Summer 2017

- Selected for invite-only summer program hosted by Google.
- I, along with a team of 2 others and a Google mentor, added to an existing Java chat server/client.
- Designed and implemented versioning, state saving, subscriptions, and access levels.

***Researcher*, UCLA, Elegant Mind Laboratory, Los Angeles, CA** Summer 2016

- Developed MATLAB software to identify and chart the activity of the neurons of the *C. Elegans* worm in 2D & 3D.
- Responsible for the KJ algorithm, named after another researcher and myself.

***Software Engineering Intern*, Tesorio, Y Combinator 2015, Palo Alto, CA** Summer 2015

- Using Django, developed the internal API from the ground up.
- Converted the entire dashboard front end architecture to React.js components using Google Charts.
- Development of the Django/Python backend and the mailer.

***Software Engineering Intern* , Planet Argon, Portland, OR** Summer 2013

- Using Rails and the Github APIs, I developed internal tools, Hydra and Github Dashboard.

PROJECTS

Haystack Summer 2014

- Using MongoDB and Go, built API for processing payments, authenticating users, searching for listings by location and keyword.
- On top of that Go API, built Objective-C iOS app.
- github.com/haystackapp

homebrew-bundle 2013-2015

- Rewrote Ruby DSL (Domain Specific Language).
- Added support for homebrew-cask library.
- Later, added as Homebrew contributor.
- github.com/homebrew/homebrew-bundle

AWARDS

***2nd Place*, School Science Fair** February 2016
***Judge's Trophy*, FTC (FIRST) Robotics** January 2016
***2nd Place*, HSHacks Hackathon** March 2014