Robert Yaman

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EXPERIENCE

Google | Software Engineer | Nov 2015 – Sep 2017| San Bruno, CA

- Worked on YouTube iOS App.
- Sole developer on the YouTube iMessage Extension. Own project fullstack. Lead effort to update client side infrastructure and build systems to support iOS extensions. 50k+ users.
- Owned video player library used by 5 apps and the YouTube Embedded Player. Built UI features such as video thumbnails on scrub. Spearheaded code health efforts. Reviewed and consulted on over 600 code changes.
- Expert on live videos and closed captions. "Go to" engineer for assessing technical feasibility of new projects. Implemented new features and refactors in these areas.
- Supported launch of YouTube TV by quickly implementing support for live CEA-608 format captions. Launch-critical feature that was not surfaced until late into development.
- Developed automated cold-start launch time measuring system. Used to assess latency regression for new library dependency system. Contributed to a cost-benefit analysis of using this system.

Schola Cantorum | Chorister | Sep 2013 – May 2015| New Haven, CT

- Sang in highly selective professional choir with Yale Institute of Sacred Music.
- Performed in NYC (Lincoln Center), Italy, Boston, with groups such as Juilliard415.

Relevant Skills: tensorflow, GCP, python, objective-C, Xcode, javascript, ruby, ruby on rails

EDUCATION

App Academy | June 2015 – Sept 2015 | San Francisco, CA

- Full-stack web-development bootcamp with admission rate < 5%.
- Less than 5% of graduates get job at a "Big Five" tech company.

Yale University | Sept 2011 – May 2015 | New Haven, CT

- B.A. with honors in Philosophy, GPA: 3.82
- Philosophy papers published in Rutgers' Arete Philosophy Journal (Spring 2015), Aporia philosophy journal (Fall 2015).
- Relevant Coursework: Formal Logic, Computability, Formal Quantification Theory, Linear Algebra, Set Theory, Probability Theory, Data Analysis

PROJECTS

Protein structure RNN | December 2017 | https://github.com/robert-yaman/protein_folding_NN

- Implement multi layer deep learning architecture from academic paper in tensorflow. Predicts protein secondary structure from amino acid sequences.
- Compare model performance with modification of original architecture.

DeepChrome | December 2017 | https://github.com/robert-yaman/DeepChrome_tensorflow

- Implement CNN from academic paper in tensorflow. Predicts protein expression from histone modifications.
- Create data creation pipeline combining publicly available RNA-seq and ChIp-seq datasets.