
Jonathan Weisbaum

Software Engineer

San Francisco

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EXPERIENCE

Hyp, San Francisco - *Technical Co-Founder/CTO*

March, 2015 - Present

- Architected **iOS, tvOS, Node.js/HTML** apps to make group plans.
- Used Python (**numpy/matplotlib**) to make sense of user data.
- Used **IBM Watson and Clarifai** to extract insights from chat conversations, photos and media.
- Trained classifiers to recognize different NFL team jerseys in images.
- Built a **bot api** to schedule events, check in to popular activities and deliver applets to chat participants.
- Managed team of 3 engineers and a product person.
- Ran out of money.
- **EC2, Elastic Beanstalk, Ejabberd, Parse, Layer.com, Objective-C, Swift, Node.js, Twilio, Javascript, SQL, MongoDB, Python (numpy, matplotlib), REST API Design, Git**

Vital Enterprises, San Francisco - *Software Engineer*

May, 2015 - October, 2015

- Designed **iOS, Google Glass** telemedicine apps.
- Implemented features in **WebRTC, RTP** for real time communication and augmented reality.
- First engineering hire, responsible for building product, testing infrastructure, etc.
- HIPAA and Section 11 training.
- Left because my side project got funded.
- **Objective-C, iOS, Android, Ant, Java, S3, Gradle, WebRTC, RTP, Linux Drivers, Glass, ODG, Vuforia, Augmented Reality, Maven, Git**

Cognoa, Palo Alto - *Software Engineer*

November, 2014 - May, 2015

- Lead **iOS** engineer
- Built app to assess risk of autism as replacement for web app.
- Reduced time to assessment from 13 months to 3 minutes.
- HIPAA and Section 11 training.
- **iOS, Ruby, Android, S3, CircleCI, Git**

Skyward App Company, Columbia, MD - *Software Engineer*

September, 2013 - November, 2014

- Consulted on various **Geographic Information Systems** projects for agriculture and earth science companies.
- **Objective-C, Java, iOS, Android, Javascript, jQuery, HTML, CSS, C#, Entity Framework, Azure, SQL, REST API Design**

Five Directions, Columbia, MD - *Intern*

October, 2012 - September, 2013

- Architected Android apps and wrote Android malware as part of DARPA initiative.
- **Android, Java, Malware, Security Analysis, Ant, Maven**

Talking Tree Creative, Baltimore, MD - *Web Developer*

October, 2011 - October, 2012

- Built LAMP websites for new product offerings.
- **HTML, PHP, SQL, Apache, Javascript**

VOLUNTEER EXPERIENCE

University of Maryland Astronomy Department, College Park, MD

January, 2013 - September, 2013

- Researched “Clump finding” algorithm efficiency using IDL, GDL and Matlab.
- Wrote Python code to interact with astro-simulation software.
- Compared different astrophysics software packages as part of research proposal.
- Member of exploratory committee to propose “big data” architecture for radio astronomy data archive.
- **Python, OpenMP, CUDA, Linux, Visit, Nemo, Paraview, Fits Data, CARMA Software Toolkit**

EDUCATION

University of Maryland, College Park, MD - $\frac{3}{4}$ B.Sc Computer Science/Math, $\frac{3}{4}$ B.A. Political Science/Entrepreneurship

Math through Multivariate Calculus, Linear Algebra and Calculus Based Statistics