

Viraj Sinha

virajosinha@gmail
vsinha.com
github.com/vsinha

1451 20th Ave
Seattle, WA 98122
(408) 505-1275

EXPERIENCE

Software Engineer (part-time)

January 2018 - Present

Neurolex Diagnostics, Inc

- Machine learning using voice analysis to **help diagnose mental health disorders**
- Building a pipeline for **handling and processing audio files**

Software Engineer

January 2016 - Present

Microsoft, Bellevue, WA

- Building a pipeline for **realtime video processing**, lets you chain together arbitrary machine learning models and techniques for a wide range of scenarios, including traffic analysis. Buzzwords: AI, realtime computer vision, smart(er) cities
- **Bing Ads** experimentation
- Built several **VR concept projects** in a 3 month experimentation sprint
- (formerly) Building a service for adding **location awareness to mobile apps** (www.loop.ms)
- (formerly) Built a **location aware athletics iOS app** to track runs and bike rides
- DevOps and tooling for our containerized server infrastructure (**Docker/Kubernetes**)
- Experimenting w/ team culture in a **healthy and cooperative work environment**

Program Manager

September - December 2015

Microsoft, Bellevue, WA

- Learned a **lot** about Microsoft. Worked on office.com team.

Software Engineer, Contractor

April - May 2015

OpenTrons, Inc., Brooklyn, NY

- Worked on a 3D printer-esque robot to **automate biology experiments**
- Developed control and connectivity systems as the 'brain' of the OT.one robot

Engineering Intern

Summer 2014

Numenta, Inc., Redwood City, CA

- Built a stock market anomaly detection tool using Numenta's open source software
- Investigated and worked to optimize ML model serialization & swapping performance

Undergraduate Researcher

Summer 2012

Neuroprosthesis Research Lab, Purdue University

- Developed software reading from electrodes implanted in rat brains

EDUCATION (formal)

Recurse Center (formerly Hacker School)

(SP1'15) February 2015 - May 2015

Manhattan, NY

Bachelor of Science Computer Science

December 2014

Purdue University, West Lafayette, IN

Minors: Biology, Philosophy, Psychology

SOME SKILLS

Favorite languages: Typescript, JavaScript (node.js), Swift (iOS)

Experience with: C#, Python, Java, Embedded C with the Arduino platform

Tools: UNIX, DC/OS, Docker, Unity, Blender

TRIVIA

FIRST Robotics Competition Mentor (team 1646) and Team Captain (team 2367)

Airplane Pilot (Cessna 172)

Beekeeper