

Avi Vaid

avivaid2018@u.northwestern.edu
224-334-9394

EDUCATION

Northwestern University '18

B.A. in Computer Science (EECS)
B.A. in Economics
Kellogg CPU in Financial Economics
GPA(4.00): 3.74, CS GPA: 3.83

Relevant Courses

Functional Programming
Object-Oriented-Programming
Data Structures
Discrete Math for CS
Artificial Intelligence (AI)
Algorithms
Computer Systems
Machine Learning

Relevant Course Projects

Snake, Asteroids (DrRacket, Functional)
Simulation of Internet (C++, OOP)
AI for TicTacToe and Mancala (Python (.py))
AI to solve Sudoku (.py)
Sentiment classifier for movie reviews (.py)
Sketch recognition using Viterbi alg. (.py)
Marijuana use v/s Education (STATA)

Awards

Dean's List (4/6 quarters)
Fed Reserve Policy Challenge: Winners in
Midwest region, National hon. mention
1871 Startup Weekend: Best idea & pitch

Campus Jobs & involvements

Residential Assistant: Chapin Hall
Associate Consultant: NUIT
Dir. of Fundraising, Acct. Manager: LEND
Northwestern Wildcats Club Tennis
Northwestern Cricket Club

SKILLS

Programming Languages

Python, Go, C++, C, C#, LATEX, HTML,
CSS, Java, DrRacket (LISP-like), STATA

Tools

Docker/Docker, Notary, Compose, Swarm,
Git, Linux, Unix, Makefiles, Travis,
Raspberry Pi, Flask, Ngrok, Twilio, MSOffice

Me when I'm offline

Languages: English, Hindi

I love meeting new people and travelling the world (adventures). I used to play the Santoor in a fusion music band and won many accolades for it. I was very active in MUN and I enjoy current affairs discussions and public speaking. I enjoy new experiences like hiking, skiing, diving (PADI advanced), windsurfing and kayaking.

*For best experience, view online at avaid96.github.io/cv.pdf

github.com/avaid96/ | edited: June 30th, 2016

I am currently seeking a Software Engineering or Technical Project Management Internship for Summer 2017

EXPERIENCE

Software Engineering Intern(Security Team) @ Docker Inc

San Francisco, CA Summer 2016 (Current)
- Worked on Notary, a Docker project based on TUF. Used by Docker Content Trust, Docker Trusted Registry, Universal Control Plane and by other external organizations. (very similar to Signal)
- Implemented native storage of key data in Notary
- Creating a history API for Notary and functionality for viewing differences between versions of Notary collections
- Fixed open issues related to new functionality in Notary
made with GoLang, Shell scripts, Docker, ♥ and all that good stuff

Director @ Northwestern Tech, A Division of ISBE

Evanston, IL Winter 2016 to Present
- Seen through 3 projects and working on more. We are a group of 12 students who work in teams of 3 on web apps, data analytics, hardware and open-source
- Led bi-weekly discussions and demos of APIs and technologies
made with Python, JS, Raspberry Pi, Git, Team-Work and ♥

Winner of Twilio Prize @Uncommon Hacks, UChicago

Chicago, IL Spring 2016
- Created an app that synthesizes a music equivalent (by sentiment analysis) of a text sent to our Twilio number and calls sender with it
made Python, Twilio, ngrok, PySynth, Team-Work, ♪ and ♥

Winner @ HDFC Bank Social Media Hackathon

Mumbai, India Summer 2015
- Developed a customer profile populator which given a list of email IDs gathered LinkedIn and Twitter user data and ran analytics on it
- Awarded first place and \$1500 by HDFC Bank, for our direct mail optimization solution.
made Python, BeautifulSoup, Team-Work and ♥

Contributor @ Stanford Crowd Course Initiative

Online Spring 2016
- Co-published a course: Intro. to Algorithms, created through contributions from all over the world in an agile-like process
- This 21 module course was taken from syllabus to video creation and deployment in an intense span of 15 days

Project management intern @ Ashish Estates & Properties

Mumbai, India Summer 2015
- Spearheaded the full project management for two projects of 2 Mn sq.ft. (at a value of \$600Mn) each in prime Mumbai neighborhoods.

Misc. Personal projects

Recreation of Amazon echo on a Raspberry Pi @Pennapps '16,
News-sentiment v/s stock-volatility correlation @Wildhacks '14
Music finder & getter

REFERENCES

[Sara Sood](#): Clinical Associate Prof. @ Northwestern (Functional & AI)
[Aravindan Vijayaraghavan](#): Asst. Prof. @ Northwestern (Disc. Math)
[Ming-Yang Kao](#): Professor @ Northwestern (Algorithms)