

Adi Sidapara

Big Data Researcher | Entrepreneur | Social Activist

E: asidapara@gmail.com | P: 480/427/7377 | W: adisidapara.com

work experience

allbeat | june 2015 - present (allbeat.co)

CEO

Cofounded a music oriented tech startup at MIT. Engaged in business development and maintaining client relations, as well as software design and development. Employs 8 people. Part of the Google Developers Launchpad Program, incubated at the Massachusetts Institute of Technology, and debuted at SxSW 2016 (winning top 5 in the Music Startup Spotlight Competition). Won Startup Weekend.

powertechie co. | june 2014 - july 2015

founder & president

Founded and ran a web and mobile application development studio which had been contracted by nearly 20 clients, ranging from local businesses to startups.

research experience

stony brook university | june 2017 - present

simons fellow and research intern

Working under Dr. Thomas MacCarthy in the Department of Applied Mathematics and Statistics to create machine learning and systems biology models of somatic hypermutations.

systems imagination | august 2016 - present

machine learning research intern

Built next generation rapid learning systems and knowledge evolution network mining services to empower researchers and transform their ability to recover, discover, and evolve scientific knowledge. Helped create the largest knowledge map of publically available multi'omics data.

dana-farber cancer institute | june 2016 - august 2016

research intern and summer student at Harvard School of Public Health

Worked under the mentorship of John Quackenbush Ph.D and Megha Padi Ph.D. Researched on differential community structure in bipartite networks, focusing on gene regulatory networks.

Performed specific network analysis on angiogenic ovarian cancer subtypes, devising machine learning and statistical algorithms for gene ranking and drug targeting.

independent research | 2015-2016

Worked on split network architecture in neural networks. Created novel neural network algorithms to optimize for personalized predictions based on individualized datasets. Implemented in Breatheasy, an interface between fitness trackers, smartphones, and the cloud to predict asthma attacks at 97% accuracy. Currently working implementing SNA into a cloud-based API.

social entrepreneurship experience

refugee code academy | june 2016 - present

cofounder

An organization that connects refugee populations in the United States with resources, mentors, and job opportunities in software engineering to enable them to obtain high paying jobs. Partnered with Ironyard Coding Academies.

youthcorp | march 2016 - present

board member

A network of youth-run enterprises around the world. Currently on the board and in charge of a special program for STEM-related projects integration into entrepreneurship. Part of the UN, and active member in the UN Youth Assembly.

project zilkr | august 2015 - july 2016

cofounder

Project Zilkr is an application-based platform for people ages 12-24. Users have access to both a global social feed and an incubator-like platform for entrepreneurship, working through our unique 8-step process to both learn the process of entrepreneurship and become eligible for micro-funding from US-based donors. Exhibited at WebSummit 2015, and merged with UN-sanctioned organization YouthCorp.

education

BASIS Scottsdale High School
2014-2018

UW: 3.95 GPA // W: 4.80 GPA
2nd best secondary school in the US. Taken 12 AP exams as of sophomore year, with an average score of 5.0/5.0.

projects

sphere

image-based mobile money transfer platform that uses real-time facial detection and image recognition through computer vision algorithms to identify people or organizations

echelon

a developer-friendly API that implements SNA neural networks, allowing for easy machine learning integration with existing apps.

breatheasy

a scalable, cloud based preventive health care solution which interfaces fitness trackers, smartphones, and the cloud with a powerful machine learning algorithm to predict asthma attacks realtime.

major awards

- 2017 Three Dot Dash Global Teen Leader
- 2016 Siemens Competition Semifinalist
- 2017 Conrad Innovation Challenge National Finalist
- 2016 National AP Scholar
- USACO Silver

technical skills

Java, C++, Python, SciPy/NumPy, NodeJS, AngularJS, R, Theano