

AWAIS HUSSAIN

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WORK EXPERIENCE

Path - Cofounder and CTO

NYC | May 2022 - Present

- Path makes software tools for immigration lawyers, and immigrants.
- As the technical cofounder I am responsible for coding, technical direction and product development.

Wave - Software Engineer

Remote | Apr 2018 - May 2022

- Wave is a mobile money company aiming to build a financial infrastructure in sub-Saharan Africa
- I designed and built an Android app from scratch, which is now used by ~30,000+ mobile money agents in West Africa.
- Implemented an offline payments system using an asynchronous queue and broker system to reliably process payments even in poor network conditions.
- Responsible for a major 3rd party integration with Senegal's largest electricity company to allow users to pay their electricity and water bills using Wave.

Arachnys - Full Stack Developer

London, UK | Jan 2017 - Mar 2018

- Built a stateless, configurable chrome extension to help the company scrape data from difficult to capture websites.
- Added several new, fully-tested AngularJS components to our UI, including a new "Quick Create Report" box.
- Worked with Apache Nutch and a pre-trained NN to identify hundreds of "spider trap" URLs in our web crawling infrastructure.

Saberr (London-Based Start Up) - Data Science Intern

London, UK | June 2014 - Aug 2014

- Wrote a regression model to map from individual personality traits, to overall team strengths and weaknesses (e.g. leadership quality, shared mindset etc.).

TimeStamp (attempted Start Up) - Technical Co-Founder

Cambridge MA, USA | Jan 2013 - Sep 2013

- Built an iPhone (Objective-C) app that allows users to monitor exactly where they spend their time.
- Awarded Harvard i-Lab residency and 2nd Place at MIT Techfair Hackathon (Feb '13).

Metaswitch Data Connection Ltd - Software Engineering Intern

London, UK | 2010 - 2011

- Built improvements to the company's Session Border Controller (SBC): Learned about the SIP protocol for Voice over IP (VoIP) in low-level C

EDUCATION

Harvard University ('15)

B.A. Honors (Major: Physics and Philosophy)

Senior Thesis: "Towards an Ensemble Interpretation of Causation". (Magna Cum Laude)

Voted one of "[Harvard's 15 Most Interesting](#) Seniors" by my peers.

AWARDS

Benjamin Trustman Travelling Fellowship

India | June 2015 - Oct 2016

- [Wrote a book](#) about my travels which is available for purchase on Amazon.
- Volunteered at [Project Potential University](#), helped a cohort of 14 students execute community projects.
- Launched [Baelts](#) with leather craftsman Florian Gypser - raised \$6,000 in our first Kickstarter campaign.
- Participated in the [Jagriti Yatra](#), an 8,000km train journey and education in social entrepreneurship.

EXTRACURRICULAR ACTIVITIES

2017 Fellow at Newspeak House - a community space for civic technologists

2015 Columnist at the Harvard Crimson - <http://www.thecrimson.com/column/the-unexamined-life/>

2012 - 15 Speak Out Loud Poetry Group - Co-President - led a team of 20 to create a 90 minute theatre play

2013 - 14 Harvard Billiards Club - President