

# PRIANSH SHAH

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## SELECTED WORKS

### Feedbacker - Realtime Audience Emotion Tracking (2018)

- Measures audience emotional spectrum in realtime
- Serves results in realtime to presenter with Chart.JS
- Image based emotion recognition with Microsoft Emotion API
- React Native phone companion app for camera data input
- Custom presentation tool using WebRTC for low latency
- NLP tool to filter through audience feedback, detect sentiment
- Full API with robust server infrastructure, deployed with AWS EC2
- Uses: Python + Sanic, Node.js + Express, React Native, Socket.io, EC2 + Elastic Beanstalk, Microsoft Cognitive Services, RASA NLU
- Won Best Newcomer Hack at ICHack 18: [goo.gl/jcwmWy](https://goo.gl/jcwmWy)

### Aiko Draft I - AI Secretary (2017)

- In-house tool, keeps track of emails, meetings and deadlines
- Naive Bayes classifier to auto-summarize long emails and professional documents (recognizing imperatives)
- Automatically researches any topic it is given
- Uses: NLTK, NLP, Naive Bayes. FB page: [fb.com/thanks.aiko](https://fb.com/thanks.aiko)

### ChanceyNN - College Admissions Predictor (2016-2017)

- Publicly available tool to forecast admissions using GPA and SAT
- Rolls through a 10-20-10 deep neural network, with 80% accuracy
- Predicts acceptance/rejection given 20+ high signal data points
- Uses: TensorFlow for Python, Flask
- Fully open source: [goo.gl/RlytXW](https://goo.gl/RlytXW) Medium link: [goo.gl/wCxokR](https://goo.gl/wCxokR)

### Gleme - Date with Humor (2017)

- Founder & CTO of Gleme, a mobile app startup in pre-seed
- Matches users based on sense of humor measured w/ images
- Validated with >80% UA, capturing >80% of the existing market for dating as well as >80% of an audience that enjoys humor but is otherwise unexposed to online dating
- Currently seeking funding & entering beta tests
- Uses: React Native, MongoDB, NodeJS + ExpressJS, ForeverJS
- Web: [glemeapp.com](https://glemeapp.com)

### Re.Search (ex: PairMe) - Pair students & professors (2016-17)

- Developed PairMe for an external MIT Launch team which won Finalist status with the mobile application
- Rebranded as Re.Search, pairing students and professors for research opportunities (currently integrating with Aiko)
- Currently in beta testing and available on app store
- Uses: React Native, NodeJS, Firebase, CodePush,
- App Store: [goo.gl/8hwQrM](https://goo.gl/8hwQrM)

## EDUCATION

### IMPERIAL COLLEGE LONDON - FIRST YEAR STUDENT (2017-)

Enrolled in an undergraduate program (MEng Computing - Software Engineering). Started Fall 2017, ending 2021.

### LIVINGSTON HIGH SCHOOL (2013-17)

Completed secondary education at Livingston High School.

- Scholastic Gold Medalist ('17), 2 Gold Keys ('17)
- National Merit Finalist ('17)
- ACT 36/36, Presidential Scholar Candidate ('16-17)
- MIT Launch Clubs 2nd Place Pitch ('16)

## PROFESSIONAL EXPERIENCE

### ENTREPRENEUR

- Currently developing fully featured AI Assistant ([aiko.ml](https://aiko.ml))
- Validated a mobile app, with >80% UA from >1000 respondents.
- Founded Fawkes Robotics, a privately funded robotics group that won several awards in the FIRST Tech Challenge. (2015-2017)
- Founded and pitched InMyMind, a wearable, always-on camera. Won 2nd place @ MIT Launch. (2015-2016)

### MACHINE LEARNING INTERN

- Interned at Crane.ai during summer 2017.
- Worked under Computer Vision and with applications of retrained Convolutional Neural Networks.

### HACKATHON AMBASSADOR, NJ

- Ambassador for Hackster Live in NJ (2015-2016)
- Held meetups and mentored at several hackathons
- Exhibited at World Maker Faire (1x exhibit 2015, 2x exhibits 2016)

### ROBOTICS (FAWKESBOTS + LANCER ROBOTICS)

- Founder & Captain/Head of Programming @ Fawkesbots (2015-17)
- Lead Programmer (2015) & Programmer (2013-15) @ Lancer Robotics
- Mentored other programmers and elementary school children, taught coding and participated in volunteering/outreach events

### TEACHER @ LOCAL SENIOR CITIZEN INITIATIVE

- Volunteered to teach senior citizens use their computers, tablets and phones, as well as perform basic reformatting + virus removal (2013-16)

### TECH LIAISON FOR STUDENT GOVERNMENT ASSOCIATION

- Served as Tech Liaison to highschool Student Government (2016-17)
- Laid groundwork for student government website & voting platform
- Created fliers, digital artwork, and other content for SGA events

## TECHNICAL SUMMARY

Python (Flask, Numpy, Tensorflow, CV2) ●●●●●

Web Stack (HTML/CSS/JS, NodeJS, React) ●●●●●

Mobile Apps (React Native, Android+Java) ●●●●●

Misc (Unity3D, PebbleJS, COSMOS, Socket) ●●●●●

### Competition Work

- Top 125 Halite II players, #5 Machine Learning player (2018)
- Best Newcomer Hack @ Imperial College Hack, ICHack 18 (2018)
- Top 100 PicoCTF competitors (2017), Top 10 PaCTF Bartik (2017)
- USACO Silver Division (2015-16)

### Dedicated to the larger developer community

- developed and published Python module console-logging, fully open source, PyPi: [pypi.org/projects/console-logging](https://pypi.org/projects/console-logging)
- regularly upload useful tools/projects to GitHub
- report security issues (in the past to Medium, GitHub, Facebook)