

# IRVIN TANG

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## EDUCATION

Hunter College | New York, NY | *B.A. Computer Science* Jan 2018 – Present

Horizons | San Francisco, CA | *Software Engineering Fellowship* Jan 2017 – May 2017

Stuyvesant High School | New York, NY | *Advanced Regents Diploma* Sep 2010 – Jun 2014

## TECHNICAL SKILLS

Node.js • Express.js • JavaScript • HTML • CSS • React.js • Redux • MongoDB • Redis • Mocha/Chai

## PROJECTS

Untilt Mar 2017

*Web application that utilizes machine learning to provide accurate gameplay analysis to League of Legends players*

- Architected data pipeline leveraging AWS S3, Node.JS backend server, and OpenCV Computer Vision library
- Built a python-based microservice for video segmentation to prepare data for pipeline
- Analyzed data from pipeline using Clarifai API for image recognition to determine player's hit rates in-game
- Determined necessary input feature representations to ensure learning algorithm produces accurate results

## WARREN

Feb 2017

*Facebook messenger chat bot that feeds real time data from bitcoin exchanges to a user and calculates the best exchange to buy/sell BTC*

- Developed an algorithm to pull real-time data via Coinbase API and send users push notifications based on specific percent changes in the market price of bitcoins
- Designed and built conversational bot-based interface utilizing webhooks & Facebook API
- Utilized Mongoose to create MongoDB schemas to store user preferences on which exchange data was pushed

## EXPERIENCE

*Software Engineer Intern* | mHealth Service | Philadelphia, PA May 2017 – Aug 2017

- Built dashboard using React, Redux, Chart.js, and Ruby on Rails to make study subjects' data more easily viewable and accessible to study providers
- Restructured application to replace Ruby on Rails action controllers with Redux workflow
- Implemented Facebook's query language, GraphQL, to replace AJAX requests and streamline data retrieval

*University Programs Intern* | Uncubed | New York, NY

Oct 2016 – Jan 2017

- Collaborated with the Director of University Programs to develop and execute outreach campaigns that increased user base by 3,000+
- Screened 6,000+ applicants for IBM Watson's Cognitive Computing Odyssey and contributed to their recruitment efforts by passing on 100 qualified candidates
- Created informational web pages on the Uncubed website for Genius and Spring using HTML & CSS