

# KI KI CHAN

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## EDUCATION

**Tufts University Graduate School of Engineering '2019 | M.S. Computer Science GPA 3.3** | Tufts University B.S. Computer Science | B.S. International Relations

Artificial Intelligence | Machine Learning | Cryptography | Database Systems | Mobile Development | CyberSecurity | Data Visualization | Algorithms | Machine Structure & Assembly Language | Web Development | Computational Theory | Discrete Math | Data Structures | Programming Languages | Computing for Developing Regions

## WORK EXPERIENCE

### **Slalom | Software Engineer Intern**

*June - Aug 18*

Built a business management AI Chatbot on Alexa and FB Bots on a NodeJS and AWS stack. Code was hosted on AWS lambda services, using AWS Lex and Alexa Skill Kits. Optimized data using AWS ElasticCache (redis) services for faster data retrieval.

### **FinTech Sandbox | API coordinator**

*Sept - Feb 17*

Administered the company github, interacted with open source code sent in by other fin-tech companies. Liased with the engineering team of fin-tech companies around boston.

### **Tufts University | Web Programming Teaching Assistant**

*Sept - Dec 17*

Helped students with projects using MongoDB, Heroku, Javascript, Open Source API. Held course office hours and graded course homework.

### **KONVIV | Full Stack Engineering Intern**

*June - Aug 17*

Built a smart learning fin-tech app that projects users monthly budget, including groceries, subscriptions, and remittance. Used Firebase, Express, Heroku and JS for hosting the app, optimized PlaidAPI and GooglePayAPI for smarter categorising of transactions.

## PROJECTS

**Health Helper:** Mobile app to incentive HIV users to track their medication using QR codes and user competition. Uses ReactNative, RedisCache, Javascript.

**Sentiment Analysis on GOP vs Dems Tweets:** Data visualization tool to visualize the sentiment of tweets by politician divided by party and by issue. Allows users to zoom, compare, hover, filter. Uses D3, Javascript, Kaggle, NLTK Python.

**Walker PAL:** Map tracking app for female identifying persons afraid to walk alone at night or in dangerous areas, sending their live location to friends using SMS. Uses ReactNative, FireBase, Geolocations, TextAPI.

**Food Data Analytics:** Data visualization tool for agricultural indicators to help investors for African based companies better visualize the value of the stock. Uses Highcharts, Worldbank API.

**Unapologetic Text:** Interactive visual campaign to encourage women to use their voices to say "NO" to unwanted advances. Uses HTML/CSS/Jquery and Javascript.

**Redline Updates:** Live train schedule based on proximity of user. Uses google maps API, boston transport API, heroku, Mongoddb.

**CarbonFoodPrint:** Promotes conscious eating by calculating carbon emissions based on daily consumption values. Uses MongoDB, heroku, Facebook API.

## TECHNICAL SKILLS

**Language:** Python, C/C++, NodeJS, Javascript, React-Native, D3/SVG, HTML/CSS

**Database:** FireBase, MongoDB, SQL, RedisCache

**Software:** MicrosoftGraph, AWS Lambda, AWS Lex, Alexa Skill Kits