

# Jun Ho Park

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## EDUCATION

### University of Michigan B.S.E Computer Science

Applied Math & Stats Minor

GPA: 3.5

Ann Arbor, MI | Expected May 2021

## PORTFOLIO

[junhopark.dev](http://junhopark.dev)

[linkedin.com/in/pjunho](https://www.linkedin.com/in/pjunho)

[github.com/didjunho](https://github.com/didjunho)

## COURSEWORK

### Computer Science:

- Discrete Math
- Data Structures
- Algorithms
- Computer Science Foundations
- Computer Architecture
- Artificial Intelligence
- *Machine Learning*
- *Advanced Object-Oriented Programming*
- *Parallel Computation*

### Miscellaneous:

- Multivariable Calculus
- Differential Equations
- Linear Algebra
- Introductory Statistics
- Introductory Finance
- *Intermediate Statistics*

## SKILLS

**Frontend:** Javascript, angularJS, HTML/CSS, Vue

**Backend:** C/C++, C#, Java, MATLAB, R, Python, Powershell

**Mobile:** React Native

**Design:** XD, Illustrator

**OS:** Windows 98/XP/Vista/7/10, Linux (Ubuntu, Mint), macOS (High) Sierra/Mojave

**Other:** Google/Microsoft/Adobe Suite, Realsense/Kinect/HoloLens SDK, Tableau, MongoDB, Oracle SQL Database, AWS EC2/RDS/Cognito/Cloudwatch

## WORK EXPERIENCE

### Barclays Investment Bank | Markets Pre-Trade Intern

June 2019 – Present | Greater New York Area

- Created tools to measure network latency from NYSE to Barclays down to nanosecond precision allowing programs to automatically switch to the optimal network path at any given time
- Implemented new data models to efficiently process and move client metrics to the appropriate databases
- Attended various modules to learn statistical modelling and quantitative development strategies

### Cisco & AT&T | Technical Sales and Foundry Innovation Intern

June 2018 – January 2019 | Greater San Francisco Area

- Researched use-cases of AT&Ts 5G Network with a focus on edge computation and volumetric video
- Created and presented real-time holography demos at various trade shows (SHAPE, E3, RTX Austin)
- Coordinated partnerships with various companies (Intel, Microsoft, Magic Leap, Jaunt, etc...) to develop volumetric video applications for use in the consumer market space
- Worked on a team to provide technical demos of Cisco Security Solutions to various enterprise customers

## PERSONAL PROJECTS

### Various Quantitative Strategies | Algo Quant | July 2019 - Present

- Model 1: Option Evaluation | evaluates all available options for a security, determines the value of each option with volatility analysis, returns options currently being sold under their projected value
- Model 2: Monte Carlo Tree Search | scrubs internet for historical data, runs lots of simulations, chooses the stocks with minimal risk as a benchmark and creates a trading action based on the signals
- Model 3: Activity Spikes | detects large spikes of interest among penny stocks and determines whether the interest is positive or negative

### sents.dev | Co-Founder, Model Engineering Lead | March 2019 - Present

- Sents is a tool that attempts to predict changes in securities in the market using realtime online messages scraped from all over the internet
- Built, trained and optimized neural network with self-prepared training data to accurately determine sentiment per message
- Blended an NLP algorithm and the output of the neural network to create an algorithm that determines a sentiment score between 1-100 for a group of collected messages per security

### frij.io | Co-Founder, Algorithms Lead | January 2019 - Present

- frij.io is an app that serves to streamline the process from buying groceries, to finding recipes, all the way to creating meal plans with fitness goals
- Developed core algorithm to match user ingredients with recipes as efficiently as possible
- Maintaining the AWS stack for seamless performance

