

# Jason Kuang

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## EDUCATION

### SUNY University at Buffalo

Bachelor's in Computer Science

**Expected: May 2022**

**GPA: 3.48/4.00**

**Relevant Coursework:** Data Structures & Algorithms. Software Engineering. Software Project Management. Advanced Object-Oriented Design. Systems Programming. Computer Organization. Discrete Math.

## PROFESSIONAL EXPERIENCE

### Walmart Labs. Sunnyvale, California.

**Jun 2021 - Sep 2021**

#### Smart Forecasting - Software Engineer Intern

- Reduced false positive errors by 48% by optimizing threshold for data equality checks between databases
- Created data quality checks and sanitizers to ensure forecasting accuracy for datasets of 480 million entries
- Implemented data pipelines from Azure Blob Storage to feed machine learning models for demand forecasting
- Utilized Apache Spark and Azure Databricks to write processing jobs for in-house forecast experiments
- Participated in sprint planning and followed the Agile development principles closely

### Park Optics. Brooklyn, New York.

**Jul 2018 - Aug 2018**

#### Technical Intern

- Wrote scripts to update 2,000 legacy medical files, saving tens of hours of manual standards updating
- Digitized medical records and monitored them to successfully eliminate physical record mishandling
- Handled confidential patient insurance/medical information and underwent HIPAA training

### Security System Depot. Brooklyn, New York

**Oct 2017 - Mar 2018**

#### Service Associate

- Programmed security systems to comply with customer specific requirements and requests
- Performed over the phone technical support for specialized security equipment to professional installers

## PROJECTS

### Valor (Chat Bot)

**Jul 2020 - Ongoing**

- Created a chat bot that runs on the Discord chat service that tracks real-time champion and match data utilizing Riot Games Developer API for the popular League of Legends multiplayer game
- Built a self-updating cache of hundreds of playable characters that automatically refreshes itself when the game receives changes, eliminating any chance of inaccurate return data
- Maintained a live leaderboard of the top 300 players in the North American server that rebalances as its player rankings fluctuate

### Wolves of A9 (Stock Website)

**Aug 2020 - Dec 2020**

- Designed a web application that allowed users to create accounts with their stock portfolios and receive mathematical analysis on their assets utilizing the Quandl API
- Implemented the object-oriented design for the stocks and portfolios, along with self-refreshing to have accurate stock prices during market open and market close

## ADDITIONAL INFORMATION

**Proficient in:** Scala. Java. JavaScript. Python. C/C++. HTML/CSS.

**Experience with:** MIPS Assembly. Swift.

**Frameworks/Tools:** Git. Docker. Django. React. Apache Spark. Hadoop/HDFS. Azure. Heroku. Jira.

**Extracurriculars:** Theta Tau (ΜΤ) Head of Professional Development. Society of Asian Scientists and Engineers.