

# 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 Global Tech.** 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 new data pipelines into production, ingesting data from ~270 million entries on weekly basis
- 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 utilizing Jira

### **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.py API 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 (Web App)**

**Aug 2020 - Dec 2020**

- Created Django web application that allowed users to create accounts with their stock portfolios and receive mathematical analysis on their assets utilizing the Quandl API
- Oversaw 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

**Languages:** Scala. Java. Python. Javascript. C/C++. HTML/CSS. Swift. MIPS Assembly.

**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.

**Awards:** 2020 Spring Dean's List. 2020 Fall Dean's List.