

# John Kitaoka

jkitaoka@wisc.edu — johnkitaoka.com — in/johnkitaoka

## EDUCATION

---

### University of Wisconsin-Madison

Madison, Wisconsin

*B.S., Computer Science; B.B.A., Finance; Certificate, Mathematics*

*GPA: 4.0/4.0; 2022*

- **Awards:** Mayo Clinic Scholarship, Dean's List
- **Extracurriculars:** Men's Club Water Polo; Capital Management Club; MadHacks

## EXPERIENCE

---

### Amazon.com, Inc.

Seattle, Washington

*Cloud Engineering Intern - Remote*

*Jun. 2020 - Aug. 2020*

- NDA

### University of Wisconsin-Madison

Madison, Wisconsin

*Undergraduate Teaching Assistant*

*Sep. 2019 - Present*

- Held office hours, supervised labs and exams for Data Programming I (CS301/CS220)
- Taught course concepts on Python, SQL, HTML, and data manipulation techniques

### University of Wisconsin-Madison

Madison, Wisconsin

*Data Science Research Assistant*

*Sep. 2019 - Dec. 2019*

- Conducted research for local government of Madison centered on traffic inefficiencies in a proposed transit system using machine learning and simulation analytics
- Predicted future routing in downtown Madison with scikit-learn learning models and matplotlib visualization with Python/Pandas, case analysis of user density through regression and k-means clustering

### Geotek, Inc.

Stewartville, Minnesota

*Data Analytics Intern*

*May 2019 - Aug. 2019*

- Introduced incentivized production model for employees by developing metrics calculation application for factory efficiency analysis
- Restructured time clock network to correct labor expenses from an excess of 5.4%
- Automated reporting of material expenses from MS SQL Server databases with Python and batch scripting

### Prairie Vista Paints, LLC

Rochester, Minnesota

*Business Development Intern*

*Jan. 2018 - Aug. 2018*

- Produced periodic financial summaries, showing trends and current demand to introduce loyalty-based incentives for job bids, implemented through sample testing

## PROJECTS

---

### Jetpack Joyride Neuroevolution Visualizer

*Personal Project*

*Sep. 2019*

- Generated neural network learning to play Python implementation of popular mobile game via reinforced learning
- Utilized fitness model to give weighted feedback to apply to genome movements, with highest scoring strategies bred for further generations

### Golden Cross Algorithmic Trading Bot

*Personal Project*

*Dec. 2019*

- Automatically tracked and traded stocks using Python scripts and Robinhood API with momentum-based trading algorithm

## TECHNICAL SKILLS

---

**Languages:** Java, SQL, Python, C, C++, Bash, Javascript/HTML/CSS, Visual Basic

**Frameworks/Libraries:** Pandas, matplotlib, seaborn, descartes, scikit-learn, Numpy

**Tools:** Jupyter/IPython, MySQL, MS SQL Server, Git, LaTeX