

John Kitaoka

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EDUCATION

- **University of Wisconsin-Madison** Madison, Wisconsin
B.S., Computer Science; B.B.A., Finance; B.B.A., Information Systems GPA: 4.0/4.0; May 2021
 - **Awards:** Mayo Clinic Scholarship, Dean's List
 - **Extracurriculars:** Men's Club Water Polo; Capital Management Club, 2018 Team Pitch Winner; MadHacks

EXPERIENCE

- **University of Wisconsin-Madison** Madison, Wisconsin
Teaching Assistant Aug. 2019 - Present
 - Held office hours and labs for Data Programming I (CS301/CS220)
- **University of Wisconsin-Madison** Madison, Wisconsin
Data Science Research Assistant May 2019 - Present
 - Collaborated with the city of Madison, Wisconsin, for research concerning traffic engineering in a team-oriented environment, focused on inefficiencies in transit system
 - Predicted future routing in downtown Madison with scikit-learn machine 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%
 - Generated cost reports 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 summaries for multi-faceted revenue model to show trends and current demand to introduce loyalty-based incentives for job bids, implemented through sample testing

PROJECTS

- **Jetpack Joyride Neuroevolution Visualizer** Sep. 2019
github.com/johnkitaoka/neat-jetpackjoyride
 - 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
- **Weak-Form Exception Stock Bot** Aug. 2019
github.com/johnkitaoka/wfe-stockbot
 - Python scripts to automatically buy and sell penny stocks on the stock market using RobinHood API and modified momentum-based trading algorithm

TECHNICAL SKILLS

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

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

Tools: Jupyter, MySQL, MS SQL Server, Git, LaTeX