John Kitaoka

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EDUCATION

University of Wisconsin-Madison   Madison, Wisconsin
B.S., Computer Science; B.B.A., Finance, Investment, & Banking   *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
Undergraduate Teaching Assistant   *Aug. 2019 - Present*
- Held office hours, supervised course-specific labs for Data Programming I (CS301/CS220)

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
github.com/johnkitaoka/neat-jetpackjoyride   *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
github.com/johnkitaoka/stock-bot   *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