

John Kitaoka

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EDUCATION

University of Wisconsin-Madison

Madison, Wisconsin

B.S., Computer Science; B.S. Mathematics, Finance and Economics Concentration

GPA: 4.0/4.0; 2022

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

EXPERIENCE

Amazon.com, Inc.

Seattle, Washington

Solutions Architect Intern

Jun. 2020 - Aug. 2020

- World Wide Public Sector Team, Remote

University of Wisconsin-Madison

Madison, Wisconsin

Computer Science 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

Operations Research Assistant, Public Transportation

Sep. 2019 - Dec. 2019

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

Geotek, Inc.

Stewartville, Minnesota

Operations Engineering Intern

May 2019 - Aug. 2019

- Introduced incentivized production model for employees by restructured time clock network to minimize labor expenses from an excess of 3.4%
- Developed automated expense reporting applications from MS SQL Server databases with Python and batch scripting
- Applied linear models to analyze production efficiency

Prairie Vista Paints, LLC

Rochester, Minnesota

Business Development Intern

Jan. 2018 - Aug. 2018

- Analyzed revenue trajectory to introduce loyalty-based incentives for job bids
- Managed daily operations of delivery network

PROJECTS

Asset Valuation Modeling

Real Estate Alpha, Applied Statistics and Mathematics

Mar. 2020

- Estimated property values from economic trends and closing values to find undervalued assets in housing market
- Applied optimization models to predict best return from fixed investment in Excel and Python

Jetpack Joyride Neuroevolution Visualizer

Artificial Intelligence, Application Development

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

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