

Kurt Ibaraki

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EDUCATION

Georgia Institute of Technology

Atlanta, GA

Master of Science in Computer Science: 3.80/4.0 GPA

Aug. 2021 – Dec. 2023

Coursework: Graduate Algorithms, Software Development, Software Analysis and Design, Database Design

University of Southern California

Los Angeles, CA

Bachelor of Science in Neuroscience: 3.68/4.0 GPA (Cum Laude)

Aug. 2013 – Dec. 2016

7x Dean's List: Fall 2013 to Fall 2016

WORK EXPERIENCE

Park Tutoring

Irvine, CA

Senior Instructor

Feb. 2020 – Dec. 2023

- Provided personalized mathematical and computer science instruction to a diverse group of 15+ students weekly
- Utilized various technologies to customize lessons, homework, and tests, resulting in a student retention rate of 90+% throughout a semester
- Conducted weekly assessments to evaluate student's progress, providing regular feedback to parents to foster open communication channels

Saddleback Eye Center

Laguna Hills, CA

Ophthalmic Technician

Sep. 2017 – Feb. 2019

- Assisted in 100+ successful LASIK procedures, anticipating the surgeon's needs with precision and urgency
- Efficiently processed, coached, and educated 10-15 patients daily before, during, and after surgery, resulting in a 100% healing rate of corneal tissue
- Trained and mentored two new technicians, equipping them with the necessary skills to assist in surgical procedures within the first week of their employment

PROJECTS

Job Comparator

<https://gitfront.io/r/kibaraki45/HdgfowVADZgx/Job-Comparison-Application/>

- Developed an Android application using Java that allows users to populate, store, and compare job information
- Incorporated persistent data storage leveraging local SQLite database within an Android application
- **Utilizes:** Android Studio, Java, SQLite, Android Development

Housing Information

<https://github.com/kibaraki45/Housing-Info>

- Developed an application that stores home characteristics and displays similar homes based on user preferences
- Designed a RESTful backend to store, read and edit home characteristics in an online database
- **Utilizes:** Python, Flask, React, Next.js, Postman, MySQL

Stock Market Simulator

<https://gitfront.io/r/kibaraki45/vWmvUk4qL2xT/ML4T/tree/marketsim/>

- Created a program to maximize profits using a Random Forest Learner on major stock market indicators
- Leveraged training data on JPM (2009-2010) to double portfolio value with the test data (2010-2011)
- **Utilizes:** Python, NumPy, Pandas, SMA, Momentum, Machine Learning

TECHNICAL SKILLS

- C++, Python, Java, MySQL