Scott Watanuki

U.S. Citizen | scottwatanuki@gatech.edu | linkedin.com/in/scottwatanuki/ | github.com/scottwatanuki | 808-940-1047

EDUCATION

Georgia Institute of Technology Expected Graduation: May 2025
Bachelor of Science in Computer Science *Major GPA: 4.0/4.0*
- **Specializations**: Artificial Intelligence, Information Internetworks
- **Relevant Coursework**: Data Structures and Algorithms, Software Objects and Design, Computer Organization and Programming, Object Oriented Programming, Introduction to Computing, Probability and Statistics, Multivariable Calculus, Discrete Mathematics, Linear Algebra

WORK EXPERIENCE

Software Engineer Intern November 2022 – August 2023
GL Navigation
- Enhanced customer satisfaction by 15% through implementing emotion recognition model for feedback analysis
- Automated video retrieving process to increase coworker's productivity by utilizing Python and Box SDK
- Created a Python-based web scraping program to extract textual data utilized for training machine learning model
- Reduced code base by 50% by implementing object-oriented programming techniques to modularize code

Software Engineer Intern June 2022 – August 2022
GL Navigation
- Redesigned and improved speaker data collection process by 50% using Python and OpenCV
- Increased student engagement by 20% by quantifying speaker frequency and speed using Python and OpenCV
- Visualized results to CSV file for increased user experience in interpreting data and further analysis
- Streamlined data preprocessing using AWS Transcribe to output JSON file containing speaker segmentation data

Machine Learning Engineer April 2021 – October 2021
John and Violet Kay Summer Research Fellowship
- Achieved 93.41% accuracy in diagnosing cataracts by developing a convolution neural network using Python
- Developed model and visualized results using transfer learning model with TensorFlow, Keras, Numpy, Matplotlib
- Decreased false diagnosis through testing five optimization algorithms and six learning rates
- Prevented overfitting of the model and reduced loss rate by incorporating data augmentation and dropout layers

PROJECTS

PlanNEXT | *C*
- Engineered a command-line tool to aid students in constructing a personalized schedule for time management
- Increased productivity 10% by considering factors including bell schedule, commute time, commitments, etc.

LifeStyleX | *C*
- Programmed a command-line tool providing users a tailored lifestyle schedule based on their sleep chronotype
- Attracted 30 active users within 24 hours after release through user-friendly design, receiving 4.5/5 rating

LEADERSHIP AND AWARDS

Vice President of Technology | *Big Data Big Impact @ Georgia Tech* July 2022 – Present
- Mentoring 10 tech and project leads, guiding for successful execution of software projects leveraging AI & big data
- Orchestrating web development team for development and maintenance of the organization's website

Founder | *Nalukai Academy Startup Camp* June 2022 – July 2022
- Developed website for new business and obtained 56 views in 48 hours after deployment
- Led four-person team to develop a business plan and create a business model for selling movable desks

Founder & Award of Honor | *Stanford e-Entrepreneurship* July 2021 – October 2021
- Directed four-person team to win a startup pitch competition evaluated by Venture Capitalists from Silicon Valley
- Obtained the highest final grade of 98%, resulting in an award of honor given to the highest performing student

SKILLS

Programming Languages: Python, Java, JavaScript, HTML/CSS, C/C++
Developer Tools: Git, GitHub, Linux, Tensorflow, Keras, OpenCV, Pandas, Matplotlib, NumPy, AWS, JSON
Spoken Languages: English - Native Proficiency, Japanese - Native Proficiency