Kevin Loc

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EDUCATION

University of California, Irvine   June 2020
Bachelor of Science in Computer Science   *Major GPA – 3.43 | UC GPA – 3.34*
Confident: Python, C++, Java   **Awards**: Forbes Under 30 Scholar, Dean's Honor List
Experience: Git, SQL, MongoDB, Google Cloud, Android, C,   **Courses:** Machine Learning, Data Mining, System Design,
HTML5 / XML, CSS, AWS   Information Retrieval, Data Management

EXPERIENCE

Amazon   October 2020 – Present
Software Development Engineer - Seattle, WA

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Siemens Digital Industries Software   June 2019 – September 2019
Software Developer Intern - Cypress, CA
• Assisted 3,000+ companies in the automation of product and manufacturing info tags on 3D assembly models by introducing 7 new C++ constructs into the large-scale application
• Optimized scalability of the massive product by refactoring code through restructuring library content and migrating 23 legacy constructs into a new XML based format
• Prevented future regressions by creating 20+ unit tests which enable automated testing coverage for all new code developed in the fast-paced, international team environment

Moboware Inc   June 2018 – September 2018
IT Support Intern - Tustin, CA
• Reduced the runtime of usage statistic queries by 10% by assisting the backend development team in optimizing Python and SQL database scripts
• Increased company monthly profit margins by 12.8% by performing cloud server builds, configurations, images, and quality assurance checks before shipping the server to worldwide data centers
• Improved customer retention rate by 5% by managing cloud servers and solving server-side issues through analyzing usage statistics, troubleshooting errors, and resolving system hardware, software, and networking issues

PROJECTS

Steve.AI   May 2019
Deep Q Learning Agent - Lead Programmer - Group Project - Python / Keras / Tensorflow / Project Malmo
• Managed a team of 3 programmers by employing an agile development cycle and assigning suitable roles and tasks
• Integrated output from deep Q-learning network with Minecraft API to execute the best action in combat scenarios
• Optimized hyper-parameters of deep Q-learning neural network to produce a +90% success rate in episodes

M.L. Rain Watcher   December 2018
Neural Network Predictor - Solo Project - Python / SciKit / Numpy
• Configured and trained a neural network to predict the probability of rainfall within a given region in the United States
• Normalized infrared satellite information of rainfall to binary inputs in order to streamline neural network training
• Predicted probability of rainfall within a given region in the United States with 70% accuracy

INVOLVEMENTS

Information Systems Director   April 2019 – Present
Lambda Phi Nu - Business Leadership Fraternity
• Increased the usage and impact of data by 15% by leading the design and development of database / analytic initiatives for the organization's projects

Events Organizer   September 2018 – June 2019

Information and Computer Science Student Council - Computer Science Community

• Collaborated with 10 committee members to organize 20+ socials and 10+ workshops to help ICS students expand their social network and develop their professional skills