Brian Lim

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WORK EXPERIENCE

Amazon, Project Kuiper – Software Development Engineer   Oct 2021 – Present
- Lead engineer for Ground Antenna Manager software that manages worldwide ground antenna hardware communications
- Integrated all ground hardware components into a complete system for satellite flight commanding and Low-Earth orbit telecommunications
- Led crucial testing for initial satellite launch prerequisites, resulting in successful ground communications on launch

University of California, Santa Barbara – Teaching Assistant   Apr 2020 – Jun 2021
- Taught: Intro to Data Science, Intro to C++, Scientific Computing
- Managed 10 industry-backed student-led projects with UCSB's Computer Science Capstone

Muncaster Consulting, Santa Barbara – SDE   Jul 2018 – May 2019, Jun 2020- Sep 2020
- Created entire integration and ML model regression test suite and framework for FLIR's thermal imaging SDK
- Fully automated config optimization for build process of ML models, eliminating human validation of model performance
- Fully automated build process of VisData, FLIR's image annotation GUI

Workday, Pleasanton, CA – Software Development Intern   Jun 2019 – Sep 2019
- Deprecated legacy XML parser for report data ingestion by creating replacement in Golang
- Improved legacy code by generalizing configurations and automating data ingestion validation

EDUCATION

M.S. Computer Science – University of California, Santa Barbara (UCSB)   Jun 2021
- Scalable Machine Learning Research Group
- Research focus: Ecological inference in state space for time series data
- Coursework: Deep Learning for Natural Language Processing, Cloud Computing, Online Convex Optimization, AR/VR, Graph Machine Learning, ODE Solvers

B.S. Computer Science – University of California, Santa Barbara (UCSB)   Mar 2020
- Minor: Probability and Statistics

ACTIVITIES/ GROUPS

Data Science @ UCSB – President   Jun 2018 – Jun 2021
- Manage officer team to ensure smooth operation of the club across departments
- Connected the club to dozens of companies by starting a corporate outreach team
- Improved retention of new members by 300%

PROJECTS

YangBot – https://github.com/BLimmie/YangBot   Dec 2017 – Present
- Created a general Discord bot in Python for the UCSB Discord Server that provides useful school utilities for students. Detects toxicity in messages, and acts as the middleman in user-moderator interactions
- Manage a team of student developers to reduce technical debt and improve user usability

Interlinked – https://github.com/BLimmie/Interlinked   Sep 2019 – Mar 2020
- Worked with Intouch Health (now Teladoc) to create a web application that can connect mental health patients and doctors for telehealth appointments, serving machine learning API results to doctors so they can focus on patient treatment instead of data collection

SKILLS

Java, C++, Python, Golang, Rust, Git, PyTorch, Javascript, Node.js, R, Tensorflow, SQL, C, Scala, Spark, Docker, C#, Unity