Adam Chois

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EDUCATION

University of California, Berkeley Aug 2019 – Dec 2022

Bachelor of Science in Bioengineering GPA 3.66

Relevant Coursework: Data Structures and Algorithms, Discrete Math and Probability Theory, Databases and Systems, Linear Algebra and Differential Equations, Genetic Design Automation, Creative Programming and Electronics Design

TECHNICAL SKILLS

Languages: Python | Java | JavaScript | TypeScript | SQL | C++ | Golang | Bash | Swift | HTML & CSS | MATLAB

Tools & Frameworks: React.js | Vue.js | Node.js | React Native | AWS | Spring Boot | Git | IntelliJ | VSCode | Snowflake

AI/ML Tools & Frameworks: Claude | ChatGPT | Cursor | TensorFlow | Google Colab | Keras | Pandas | Numpy

EXPERIENCE

Veeva Systems – Associate Software Engineer in Test Jun 2023 - Present

- Implementing automation framework feature tests to improve production test coverage and developer tooling
- Supporting QA and automation features for a company-wide MySQL database foreign character set upgrade
- Triaging regression automation pipelines to remedy development bottlenecks and increase production efficiency

University of California, Berkeley – Undergraduate Researcher Sep 2021 – Dec 2022

- Developed pattern recognition algorithm for genetic fragments and phenotypic variations in *Oophaga pumilio*
- Created a support vector machine to identify new metabolites based on chemical structure of natural molecules
- Partnered with NASA to build a python library that simulates missions to Mars and a synthetic biomanufactory

Genentech - Software Engineering Intern May 2022 – Aug 2022

- Contributed to a clinical protocol automation software tool that has immediate impact on clinical trial efficiency
- Built an API that queries and downloads protocols and improves outdated healthcare document review processes
- Designed and implemented UI for authoring and amending protocols to help med-writers review and edit faster

Amazon - Software Development Engineering Intern Jun 2021 – Aug 2021

- Utilized internal and external AWS tools for management and security of company data and API metrics
- Developed internal APIs to improve onboarding data transfer efficiency and configuration by about 70%
- Modelled API structure with internal XML and JSON frameworks and wrote team documentation for APIs

Bayer - Quality Control Impurity Analysis/ELISA Intern Jun 2020 – Sep 2020

- Drafted financial data spreadsheets and presentations for company executives and project managers
- Reviewed and revised research procedures and updated department's procedural Validation Master Plan
- Received professional training in Good Manufacturing Practices and laboratory Standard Operating Procedures

Google - Student Programmer (Computer Science Summer Institute) Jul 2019 – Aug 2019

- Developed a web application for optimizing group task-management accountability using Google App Engine
- Learned about fundamental programming skills through professional development workshops and mentorship
- Gave a project presentation to Google executives about my work and the importance of great communication

PROJECTS

echusOverlook (NASA-sponsored Research Project) – Technical Lead

- Developed a Python package used to calculate space mission metrics based on objectives and mission architecture
- Incorporated biological resource data to determine Equivalent System Mass for determining inventory allocation

Moodsic ("Best Health Hack" of CalHacks 2022) – Team Lead

- Designed a smart watch widget that used Zepp Health's biosensor API metrics to play music based on stress level
- Heart rate and stress sensors in Zepp's smart watch were used with Spotify to customize a playlist to users' mood

Housing Hound (TreeHacks 2020 Project) – Team Lead

- Created a web-scraper that extracts residence information from housing offer posts on Facebook college pages
- Users can input parameters for the type of housing desired and have relevant data returned quickly and concisely