Adam Chois

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EDUCATION

University of California, Berkeley   **Expected May 2023**

Bachelors of Science in Bioengineering | Concentration in Synthetic and Computational Biology   **GPA: 3.6**

Related Courses: Computational Biology, Genetic Design Automation, Linear Algebra and Differential Equations, Creative Programming and Electronics, Discrete Math and Probability Theory, Data Structures and Algorithms

TECHNICAL SKILLS

Web Development: HTML & CSS (3 yrs) | JavaScript (1.5 yrs) | React | React Native | Flutter | Bootstrap
Programming: Python (4 yrs) | Java (4 yrs) | Git (4 yrs) | TensorFlow (Keras) | SQL | Matlab

EXPERIENCE

Genentech, Software Engineering Intern   **May 2022 – Present**

- 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- Built an API that queries and downloads protocols and improves outdated healthcare document review processes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

University of California, Berkeley, Undergraduate Researcher   **Sep 2021 – Present**

- 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
- Partnering with NASA to build a python library that simulates missions to Mars and a synthetic biomanufactory

Amazon, Software Development Engineering Intern (Amazon Propel Program)   **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

Housing Hound (TreeHacks Project)
- Created a web-scraper that extracts information from housing offer posts on Facebook college groups
- Hope to implement a fraud-detection feature with a built-in "offer reporting" system in the near future

Gitlet (School Project)
- Developed a simplified model of the Git version-control system with the commands found in the actual service
- Included capability of hosting collaborative repository projects, branching, and maintaining version history as well

The Unit (Google CSSI Project)
- Built a group task manager that facilitates easier task tracking in professional & non-professional organizations
- Intended features include task completion alerts, randomized task management, data visualization, etc.