JEFFREY LIANG

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EDUCATION

University of California, Berkeley   *August 2020–May 2024*
Bachelor's Degree, Computer Science   *Berkeley, CA*
- **GPA:** 4.0 (out of 4.0)
- **Relevant Coursework:** Computer Programs (A+), Data Structures (A+), Machine Structures (A+), Discrete Math and Probability (A+), Computer Architecture (A+), Computer Security (A+), Operating Systems (A), Compilers (A+), Internet Architecture (A+), Algorithms (A), Computer Vision (A), Database Systems (A), Artificial Intelligence (A+), Machine Learning (A)

RELEVANT EXPERIENCE

Databricks   *August 2024–present*
Software Engineer   *San Francisco, CA*
- Improving the reliability and performance of Lakeflow Pipelines and Delta Live Tables as part of the Lakeflow Foundations team
- Languages & Technologies: Scala, TypeScript, SQL, Apache Spark, gRPC, MySQL, React, GraphQL

University of California, Berkeley   *August 2022–May 2023, August 2023–May 2024*
Teaching Assistant   *Berkeley, CA*
- Teach discussions, hold office hours, and develop course content for CS 186: Database Systems (`Website`)
- Manage logistics, extensions, and student accommodations, creating a safe learning environment for 500 students

Google   *May 2023–August 2023*
Software Engineering Intern   *Mountain View, CA*
- Designed and implemented a service to generate Performance Max ad previews for all of Google's advertising channels, including YouTube, Display, Search, Discover, Gmail, and Maps, improving customer experience in the Google Ads UI and enabling partner teams to support Performance Max previews in their products
- Developed a comprehensive validation plan to identify and address edge cases, ensuring a successful launch
- Languages & Technologies: Java, Dart, gRPC, AngularDart

Google   *May 2022–August 2022*
Software Engineering Intern   *New York, NY*
- Reduced technical debt by migrating a service that monitors data in Google Maps to modern infrastructure
- Implemented two-party control in a service that registers Maps data writers by defining new APIs and implementing new RPC handlers, bringing the service up to security standards and improving production stability
- Languages & Technologies: C++, Python, TypeScript, SQL, gRPC, Spanner, Angular

SELECTED PROJECTS

shopspero.org (`Website`) (`Code`)
- Streamlined order processing and marketing for Spero, a student-run Christian apparel company, by designing and building an online store and showcase using TypeScript, React, Next.js, Firebase, and Stripe

Pintos (*Code available upon request*)
- Co-designed, implemented, and tested significant parts of a fully-functional x86 operating system in C and assembly, including multithreading, loading and running user programs, and a file system

Gitlet (*Code available upon request*)
- A command-line version control system, implemented in Java, with features similar to Git
- Designed, implemented, and tested staging, committing, logging, branching, merging, and remotes

SKILLS

Languages	Java, Python, Scala, Go, C, C++, SQL, JavaScript, TypeScript, Dart, HTML, CSS
Technologies	React, Angular, Protocol Buffers, gRPC, Docker, Kubernetes, Apache Spark, Linux, PyTorch