

Bryant Lam

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Education

California State University, Long Beach

Long Beach, CA

Bachelor of Science in Computer Science, GPA 3.77

Dec 2023

Relevant Coursework: Algorithms · Computer Architecture · Computer Security · Data Structures · Database

Fundamentals · Machine Learning · Object Orientated Programming · Operating Systems · Software Engineering

Leadership & Experiences

Schedulog

Long Beach, CA

Senior Project / Lead Developer

Jan - Dec 2023

- Designed a mobile application using Figma and Kotlin, creating intuitive user interfaces to help users efficiently find and manage events within their schedules, focusing strongly on user experience, usability, and interaction design.
- Led a team of 4, adopting the agile development methodology and successfully guiding them to implement best practices in database architecture, reducing post-release bugs by 20% and improving software reliability
- Managed the codebase design, project build scripts and configuration files, and coordination of feature deliverables to achieve on-time milestones and spearheaded future sprints at a reasonable pace
- Optimized image storing by 90% using Firebase Storage and image loading by 10% using the Glide library
- Utilized version control, organized features in branches, merged changes, and resolved merge conflicts using GitHub

CSULB, Undergraduate Research Opportunity Program (UROP)

Long Beach, CA

Software Developer Intern

Sep 2019 - May 2021

- Developed a user-friendly graphical user interface for research lab image data analysis using Tkinter and OpenCV
- Translated GUI onto a local web application that stores data in a SQL database using Django and HTML
- Improved research team productivity by contributing to streamlined workflows and accelerated outcomes

Projects

Full-Stack Application – Finance App

- Predicted future and tracked current finances using AI and the MERN stack to achieve smarter financial decisions
- Deployed to (frontend)Vercel and (backend)Fly.io for load balancing and serverless computing and practiced Linting

Model-First ORMs – Automobiles

- Modeled car-selling business inventory using a relational schema and Java(JPA) to automate filtered searching and enhance search accuracy, leading to faster operations and limiting manual errors
- Executed complex queries from user input while preventing SQL injection attacks to minimize data integrity issues

MVC Web Application – Movie List

- Created a movie list with CRUD operations using a Model-View-Controller framework using C# and Razor HTML
- Applied ASP.NET Core built-in middleware to ensure secure and robust application performance and scalability

Skills

- **Programming Languages** Java, Python, C/C++, C#, SQL, HTML, Erlang, Prolog, JavaScript, TypeScript, Kotlin
- **Tools/Frameworks** Git, AWS, Django, Figma, React, Node.js, Chrome DevTools, Vite, ESLint, Docker
- **Database Management and Design** SQL, MongoDB, Firebase, Cloud Firestore