

Priscilla Kathryn Lee

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Education

University of California, Santa Barbara

Sept. 2016 - Jun. 2020

- Major: Computer Science
- Relevant Coursework: Data Structure and Algorithms, Foundations of Computer Science, Object-Oriented Design and Implementation, Problem Solving

Projects

Naive Database System

Apr. 2020 - Jun. 2020

- Developed a simple database using a B+ tree index structure
- Implemented insert, search, and bulk-loading functions in C++
- Conducted experiments with big data to compare insertion and bulk-loading in terms of run time, tree height, and tree node count and documented results

Debts "R"us State Bank

Nov. 2018 - Dec. 2018

- Designed a bank management system with a simulated ATM-App and Bank Teller interface
- Implemented transactions between bank accounts with account specific features and integrity constraints e.g. interest rate and minimum balance in SQL
- Designed a system using entity-relationship diagrams and relational database schemas

Gauche Rides

Apr. 2018 - Jun. 2018

- Developed a cross-platform mobile app for UCSB students to arrange rides
- Implemented front-end components e.g. picker and text box in Javascript, HTML, and CSS using the React Native framework
- Collaborated in a team using Agile techniques and professional development practices
- Performed domain analysis and design documentation with system design artifacts including system sequence diagrams, static class diagrams, interaction diagrams, and state diagrams

Country Runner

Jan. 2018 - Mar. 2018

- Updated a 2-D "avoid-the-obstacles" side-scrolling game built over several generations
- Implemented sound effects and variable platform jump height in Java
- Debugged previous iterations of the level system and title screen

Experience

Office Max-Office Depot

June 2017 - September 2017

SALES ASSOCIATE

San Francisco, CA

- Collaborated with employees to increase revenue and customer satisfaction
- Assisted in product selections and resolved issues by assessing customers' needs
- Stocked, merchandised, built displays, tracked inventory, and processed transactions

Skills

Language Proficient: C++, Java

Familiar: Python, Javascript, HTML, CSS, SQL, R, Assembly (MIPS)

Software Git, Visual Studio, VirtualBox