Gloria Chen

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Skills
Languages: C, C++, Java, R, HTML/CSS, Swift, SQL
Softwares/Databases: Git, GDB, Android Studio, Xcode, PostgreSQL
API/Frameworks: Bootstrap, Cocoapods

Education
B.S. Computer Science
University of California, Davis, March 2016

Projects
- Mi2U
  - Mi2U is an Android application developed in Android Studio that allows users to schedule deliveries times.
  - Used PostgreSQL to create a locally hosted server and database.
  - Integrated with Google Maps API to allow users to determine the shortest route and time necessary for delivery.
  - Worked with a small team to develop application requirements and specifications.

- The 7 Minute Workout
  - The 7 Minute Workout is an iOS application written in Swift. It includes an outline of each exercise in the workout, a video and text description of each exercise, and a countdown time for each exercise.
  - Utilized iOS environment integrating UITableViews, UITableView Delegate and Datasource methods, UIViewController Autolayout, and Timers.
  - Integrated with Youtube Cocoapod to allow application to play videos.

- Maternal Health and Impact on Infant Birthweight
  - An undergraduate research study of more than 7.5 million births that challenges the assumption that low birth weight is the cause of high infant mortality in the United States.
  - Research was conducted with a multivariate linear regression model that analyzed low birth weights and its predictability in determining newborn health and survival.
  - Used statistical analysis methods such as multivariable linear approximation, box-plots, and curve normalization to determine the accuracy of research and conclusions.

- Breakout
  - Breakout is written in CUSP assembly language and is an emulation of the popular Atari game Breakout.
  - Features include a fully functional paddle, pausing the game, a timer, and a bell when a brick is destroyed

Relevant Coursework
- Data Structures
- Database Systems
- Operating Systems
- Regression Analysis

Experience
- Transit Driver, Unitrans (June 2014 - Present)
- Safely operate Unitrans transit vehicles for the City of Davis while assisting passengers with any queries regarding transit service including bus fare, transfer policy, and arrival/departure times.
- Work with the Road Supervisor, Dispatcher, and other drivers to ensure timely arrivals and departures while accounting for any road construction or schedule changes.
- Assist Route Manager and Route Planning Committee with planning future route and schedule changes by accurately accounting passenger ridership per daily run.

- Tutor, UC Davis Computer Science Club (March 2014 - June 2014)
- Tutored for ECS 30 (C Programming)
- Held weekly office hours for drop-in tutoring and answered coursework questions through email
- Coordinated with other tutors to host midterm and final exam review sessions