Gloria Chen

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Skills

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

Education

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

Projects

- **Mi2U** *(Android Studio, PostgreSQL, Google Maps API)*
  - Developed an Android application that allows registered users to coordinate parcel delivery times
  - Locally hosted server and database records user information and logs users' current locations
  - Integrated with Google Maps API to calculate shortest delivery routes

- **The 7 Minute Workout** *(Swift, Xcode, Cocoapods)*
  - Created an iOS application that loads a series of exercises consecutively with a countdown timer, video, and text description
  - Integrated with Youtube API to allow video playback

- **Breakout** *(CUSP Assembly)*
  - Created an emulation of the popular Atari game Breakout in CUSP Assembly
  - Includes a fully directional paddle, game pause, timer, and sound effects

Relevant Coursework

- Data Structures, Operating Systems, Database Systems, Linear Regression, Statistical Analysis and Probability

Experience

- **Research Assistant, UC Davis Department of Statistics** *(June - August 2015)*
  - Conducted a study analyzing 7.5 million births challenging the assumption that low birth weight causes high infant mortality
  - Developed a multivariate linear regression model analyzing the predictability in determining newborn health/survival
  - Used statistical analysis methods such as multivariable linear approximation, box-plots, and curve normalization to determine the accuracy of research and conclusions

- **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

Extracurriculars

- **Tutor, UC Davis Computer Science Club** *(March - June 2014)*
  - 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

- **Pharmacy Intern, Rite Aid Pharmacy** *(January - March 2013)*
  - Assisted pharmacists and pharmacy technicians in daily duties including restocking medication, filing pharmaceutical paperwork, and answering the telephone

- **Medical Intern, UC Davis Medical Center Pediatrics Department** *(September 2012 - January 2013)*
  - Measured basic vitals such as height, weight, and temperature
  - Assisted Medical Assistants and Nurses in their daily duties
  - Shadowed doctors specializing in Cardiology