Alan Tai
Cell: (510) 409–2229 | awtai@ucdavis.edu
https://www.linkedin.com/in/alan-tai-913038a2

OBJECTIVE
Seeking a challenging full time/internship position in the field of Computer Science.

EDUCATION
Bachelor of Science in Computer Science and Engineering   September 2010 – June 2015
University of California, Davis | Davis, CA

TECHNICAL SKILLS
- Programming Languages: C#, Java
- Web Technologies: HTML, CSS, JavaScript
- Development Tools: Visual Studio, Android Studio
- Operating Systems: Windows, Linux
- Others: Git, Atom

RELEVANT COURSEWORK
Software and Object-Oriented Programming, Data Structures, Database Systems, Information Interfaces, Scripting Languages, Probability and Statistical Models for Computer Science, Software Engineering

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PROJECT EXPERIENCE
iTunes Android Sync on GitHub
- Implemented a method in C# to compare Windows and Android file lists to determine which audio files are sent to or removed from the Android device using Google's Android Debug Bridge command line tool.
- Used C#'s XML reader class to create a method that extracts all playlist data from iTunes' XML library file into a playable ".m3u" playlist file format.
- Utilized multiple threads to create a more responsive user interface.

DinoThink – Senior Design Project
- With general instructions from a client, directed a team of four and created a cross-platform application using the PhoneGap framework to guide users through the design thinking process.
- Helped implement and revise the user interface using HTML, CSS, and JavaScript to meet the needs of the client while allowing the web-like application to feel like a native application.

Castle Defense Game
- Collaborated with several other students to port the Atari-based Rampart game from Linux to Android using the LibGDX graphics library.
- Helped implement a queue-based flood fill algorithm to determine whether a space is enclosed.
- Code is available at https://github.com/mrhampson/fortnitta.

PROFESSIONAL EXPERIENCE
Oportun - Data Entry Clerk   November 2015 – Present
- Organized files and cataloged them in Excel.