RYAN ROYAL TONG

(510) 292-6298 | rrtong@ucdavis.edu | linkedin.com/in/rrtong | github.com/rrtong

EDUCATION

University of California, Davis **Graduation: June 2018**
Bachelor of Science, Computer Science

SKILLS

Programming Languages: C++, C, Java, C#, JavaScript, XAML, JSON, HTML, CSS, x86 Assembly (CUSP)
Tools: Visual Studio, Code::Blocks, Logisim, Linux/Unix, LaTeX, Eclipse, BlueJ, Unity, Android Studio

PROJECTS

ChemQuest | C#, JavaScript **May 2017**

- Wrote C# and JavaScript scripts for three-dimensional object behavior in Unity.
- Designed an interactive chemistry lab simulator in a virtual reality interface.
- Exported to Android and iOS devices to operate the project through Google Cardboard.

NODE | C# **December 2016**

- Implemented create, read, update, and delete functions in C# for a Ruby on Rails database.
- Worked with XAML and JSON to maintain and store a library of users and their article posts.
- Learned the fundamentals of Universal Windows 10 app development using Visual Studio.

Everything Dumpling | Scratch **November 2016**

- Used drag-and-drop implementation to design a game within a 12-hour time frame.
- Created original graphics for the player, enemies, and background.
- Won Aesthetics Award for the 2016 Fall Game Jam for UC Davis Game Development Club.

JoopyBird | Java **May 2013 – June 2013**

- Created a pseudo-physics engine to simulate gravity using Java.
- Designed a simple, coherent design for the sprite and environment using Java graphics.
- Implemented keyboard controls to allow the user to interact with its environment.

EXPERIENCE

Google Games 2017, Sunnyvale, CA **April 2017**

- Achieved 4th place out of 24 teams in a Google-hosted programming and problem-solving competition.
- Worked cooperatively with a team of five members, allocating time to 90 minute time intervals.

Assistant Manager, The Sweet Booth **Summer 2010 – 2014**

- Installed and operated security surveillance system; operated security feeds of 10-hour work shifts.
- Provided customer service and made drinks to order in a multilingual environment.