

# RYAN ROYAL TONG

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## EDUCATION

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**University of California, Davis**  
Bachelor of Science, Computer Science

**Graduation: June 2018**

## SKILLS

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*Programming Languages:* 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

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### 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

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### Google Games 2017, Sunnyvale, CA

**April 2017**

- ◆ Achieved 4<sup>th</sup> 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.