

RYAN ROYAL TONG

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EDUCATION

University of California, Davis
Bachelor of Science, Computer Science

Graduation: June 2018

SKILLS

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

PROJECTS

NODE | C#

December 2016 – Present

- ◆ 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.

ACTIVITIES

- ◆ **Digital Artist:** Illustrated digital art and created customized cursors with Photoshop and PaintTool SAI.
- ◆ **Video Editor:** Maintained a YouTube channel of 500+ subscribers with edited and streamed content.
- ◆ **Animator:** Combined audio and hand-drawn art to animate videos with Adobe Flash and Sony Vegas.