

Andy Wang

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<https://andyw24.github.io>

U.S. Citizen

Home: San Ramon, CA

College: West Lafayette, IN

Education

Purdue University

- B.S. Computer Science
- Aug 2017 – May 2021
- GPA: 3.67
- Relevant Courses:
 - Data Structures and Algorithms
 - Foundations of Computer Science

Skills

Java



C#



C++



C



HTML/CSS



Python



Unity



Git



Linux



Final Cut Pro X



Mandarin



Projects



FiT

October 2018

URL: <https://play.google.com/store/apps/details?id=com.AndyWang.FiT>

Personal Android game created using Unity and C#. Player controls a box that expands and contracts, and they must fit the box between randomly generated gaps. The game becomes harder over time and can keep high scores.



Impact

October 2018

URL: <https://devpost.com/software/impact-8zx1q4>

BoilerMake 2018 Hackathon project. Worked in a team of 3. Impact determines optimal locations for objects. Used Unity and C# to create a random map generator, a system that reads population data from a file, and a user interface.

Relevant Experience

Purdue ACM SIGBots, West Lafayette, IN

September 2018 - Present

Software Team Member

- Used PROS API built on C and C++ to program the VEX U Robot
- Developed the robot's autonomous mode with 5 others so the robot could move around, pickup balls, shoot balls, flip caps, and precisely place caps on posts
- Collaborated with the other 20+ members of the SIGBots team to discuss strategies and manage scrimmages

SNL Space Blimp Challenge, West Lafayette, IN

August 2018

- Worked with a partner to solve real world problems related to Sandia National Laboratories' Space Blimps in 4 hours
- Used Java to detect an object inside an image and provide a Blimp with a schedule of objects to scan based on each object's priority and time

Work Experience

Bricks 4 Kidz, Bay Area, CA

May 2018 – August 2018

Teacher

- Taught classes of up to thirty kids (ages 5-16) to express their creativity through building Lego models and EV3 Robots
- Organized the workflow for myself and teacher aids to keep the classes manageable
- Aided students with disabilities to develop social and cognitive skills

SiliconValley4U, San Ramon, CA

June 2017 – August 2017

Teacher

- Taught classes of up to twenty kids (ages 7-13) the basics of programming
- Created and organized relevant activities to keep kids engaged