

# Andy Wang

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## Education

Purdue University

- B.S. Computer Science
- Aug 2017 – May 2021
- GPA: 3.62
- Relevant Courses:
  - Data Structures and Algorithms
  - Systems Programming
  - Operating Systems

## Skills

Java



C#



C++



C



HTML/CSS



Python



Unity



Git



Linux



JavaScript



Mandarin



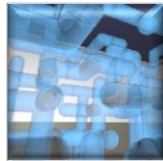
Teamwork



Organization



## Projects



### VR Maze Game

August 2019

A cooperative asymmetrical multiplayer virtual reality game I made using Unity and C#. A large 3D maze is randomly generated and one player is stuck inside and needs the second player to help them navigate and escape the maze.



### Suggestion Boxes

October 2018

URL: <https://andyw24.github.io/suggestionbox/ListOfBoxes.html>

Web Application developed by me and two others. Users can login and create a public suggestion box or submit a suggestion to other boxes. I developed the backend using JavaScript and Google Firebase.



### 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 SIGGD, *West Lafayette, IN*

January 2019 - Present

*Programming Team*

- Developed gameplay mechanics including player movement, locked doors, and moving environment pieces using Unity and C#
- Used GitHub and Trello to collaborate with the other 4 members of the programming team and merge all our contributions together
- Collaborated with the other 10+ members of the SIGGD team to discuss ideas for our year-long game development project

## Work Experience

Bricks 4 Kidz, *Bay Area, CA*

May 2018 – August 2019

*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
- Used problem solving skills daily to keep clients satisfied despite limited resources

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