

Jackie Yuan Jun Xu

Computer Science Student

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Skills & Qualifications

- **Programming Languages: Proficient** in Python, Java, Visual Basic, Racket. **Familiar** with C, C#, HTML/CSS, JavaScript learned through past and current course material, hackathons and side projects
- **Technical Tools:** Git, Visual Studio, Android Studio, Unity, Desmos graphing calculator, Microsoft Office familiarized through past and recent personal projects
- **Graphical Design Tools:** Adobe After Effects, Photoshop, Sony Vegas learned from past visual design projects including film and image editing
- **Other:** Bilingual with Mandarin; Standard First Aid with CPR-C

Experience and Activities

Personal Projects

- Individually re-created the game Snake using Pygame with the help of online tutorials
- Independently designed and created a Space Shooter game using Pygame with an extended variety of new creative game components including power-ups and bosses
- Further experimented with physical game mechanics including Friction, Gravity, and Momentum in the recreation of classic games Pong and Helicopter
- Developed a working and visually accurate Integral Visualizer using Desmos graphing calculator
- Explored and created a fully functional Android mini-game using Android Studio at MLH Local Hack Day 2016 with a team of 3
- On-going learning, development and improvement of personal website through online tutorials to add new content using HTML, CSS, Bootstrap, JavaScript, and other back-end components

UofT Hacks IV

Toronto, ON

Hackathon

Jan 2017

- Main Role: Front-end web GUI developer using HTML, CSS and JavaScript with Handlebars and Bootstrap
- Designed and produced an appealing, functional and intuitive UI for the web page
- Team creation: Cooperatively developed an image-word associated web game with the Clarifai API that uses the concepts of image processing, machine learning, and front-end and back-end server interactions.

Canada Robotix

Markham, ON

Two-day Business Promotion Event

May 2016

- Independently designed a simple, yet clear and intuitive instruction guide for a motorized model car after upon request by the project manager
- Provided clear, step-by-step instructive tutorials in assisting over 100 participants during the building process which resulted in the successful completions of their functional motorized vehicles

Awards & Scholarships

- President's Scholarship of Distinction (For 95%+ admission average) 2016
- Term Dean's Honours List (For achieving outstanding term average) 2016
- Governor General's Academic Medal (Student with the highest academic average - 98%) 2016

Education

University of Waterloo

Waterloo, ON, Canada

- Candidate for Bachelors of Computer Science

2016 – 2021 (expected)

Other Facts and Info

- Personal Website (on-going development): <http://onepunman.me/>
- Musical Instruments: Violin, Clarinet, Piano, Guitar
- Other special skills: Film and Photo editing, 3D model building (Mainly paper)