JERRY QIAN

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www.github.com/jerrygqian

EDUCATION

University of Maryland College Park
- B.S in **Computer Science,** Honors College
- **3.70** GPA, Dean's List Fall 2017, Spring 2018
- Graduating **May 2020**

SKILLS

Programming Languages www.github.com/JerryGQian
- Java, Python, Ruby, C, C#, OCaml, Rust, AVR, Labview, HTML, CSS

Tools
- Unity3D, Android Studio, Illustrator, After Effects, Solidworks, Inventor, MATLAB, Bootstrap

EXPERIENCE

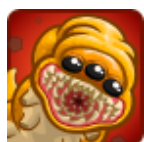**Melonius Games** Founder, Game Developer   Dec 2011 - Present
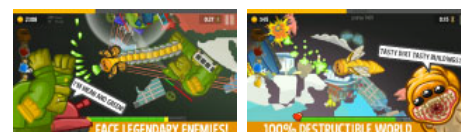
"Caterpillage Battles" in development...   Mar 2018 - Present
- Multiplayer mobile game for Android and iOS
- AI, Elo-inspired global rankings

"Caterpillage" https://play.google.com/store/apps/details?id=ninja.qian.caterpillage   Dec 2017 - Feb 2018
https://itunes.apple.com/us/app/caterpillage/id1338595162
- Mobile game for Android and iOS, with **40k+** downloads
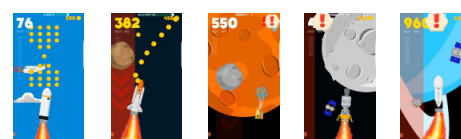- Custom physics engine, multithreaded destructible environment

"Liftoff" https://play.google.com/store/apps/details?id=ninja.qian.Liftoff   Jul 2016 - Aug 2016
https://itunes.apple.com/us/app/liftoff-fly/id1149645273
- Mobile game for Android and iOS
- Balance rocket runner game

"Sandwich or ELSE" https://play.google.com/store/apps/details?id=ninja.qian.Sandwich   Jun 2016 - Jul 2016
https://itunes.apple.com/us/app/sandwich-or-else/id1135338032
- Mobile game for Android and iOS
- Crazy sandwich idler, advanced menu system
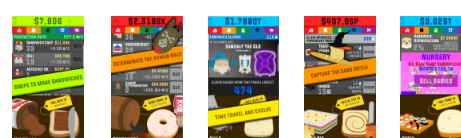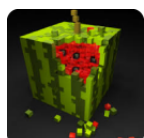
MelonCraft Network   Dec 2011 - Mar 2016
- Built, designed, and operated a network of Minecraft servers for over **4 million unique players**.
- Largest Spanish speaking server

Yang Academy Math Teacher   Jun 2017 - Aug 2017
- Taught summer math classes of **30+ students** covering Pre-Algebra, Geometry, and Algebra I & II at Montgomery College

PROJECTS / ACTIVITIES

Hackathon Projects www.devpost.com/JerryGQian   Sep 2017-Present
- **Diction** - Developed mobile app that uses **text recognition** to improve reading comprehension   @HophacksFall18
  Parsed wordnet datasets with Python scripts to generate complex dictionary with 100k definitions/synonym relationships.
  Implemented **Google's OCR API** to detect text. Won **Best Hack for Social Good**.
- **Chroma** - Developed mobile AR app that helps the colorblind distinguish colors with custom OpenGL shaders.   @Bitcamp18
- **Warp** - Developed mobile productivity app that skews time to your advantage.   @HophacksFall17

UMD Hyperloop Avionics Team   Sep 2017-Present
- Competed in the **SpaceX Hyperloop 3 and 4 competition**
- Worked with team to design pod electronics
- Responsible for the pod's ambient pressure sensor, rotary encoder, and maxon motors
- Tested and analysed data for electrical components in vacuum, heated, and vibrational environments

***FIRST* Robotics** Team Captain, Mentor   2013 - Present
- Led and organized **FRC team 4638 and 4288** each with of **30+ members**
- Designed, CADed, built and programmed competitive robots to play annual game
- Won the 2014 North Carolina Regional and competed in the World Championship