# Will Farhat – Resume

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### Education

* Currently Enrolled at *Harvard-Westlake High School*
* Graduating Class of 2021

### Current Positions

* Freelance Full-stack Developer at [Tiny Headed Kingdom](https://tinyheadedkingdom.com/), June 2020 – Present
  + Currently programming [Tiny Headed Game](http://www.thkgame.com), a cross-platform multiplayer video game for Tiny Headed Kingdom, an LA-based stuffed animal and merchandise startup
  + Responsibilities include backend programming in NodeJS and PHP, frontend programming in GameMaker Studio 2, database and server deployment on AWS, and art design for the game.
* Eagle Scout, Junior Assistant Scoutmaster, and Merit Badge Instructor at *BSA Troop 355*, February 2020 – Present
  + Earned the Eagle Scout Rank in February 2020
  + Currently serving as a Junior Assistant Scoutmaster and the Instructor of the Game Design Merit Badge
* Tech Lead and Organizer at [*HW Inc*](https://www.inc.hw.com/), November 2018 – Present
  + Managing technology and operations at Harvard-Westlake’s annual entrepreneurship summer camp
  + Designed an online video game hub called [Inc Life](http://www.willfarhat.com/inclife/) for the camp during the Covid-19 Pandemic; enabled participants and alumni to communicate and share resources through a virtual recreation of the school library
* Co-Leader of [*HackHW 2021*](http://www.hw.com/hackhw/index.html), May 2020 – Present
  + Managing and advertising Harvard-Westlake’s hackathon and game jam events
* Computer Science Teacher and Mentor for [*Leaders United for Change*](https://leadersunitedforchange.org/), March 2020 – Present
  + Wrote and am currently teaching an online 40-person summer camp on computer science. Topics include Python, HTML, Machine Learning, and Microchip Design
  + Supervising online tutoring sessions through Zoom
* Engineer and Programmer at [*VEX Robotics Team 62K*](https://vexdb.io/teams/view/62K), September 2018 – Present
  + Working with 4 other team members on robots for the *Turning Point*, *Tower Takeover*, and *Change Up* game modes
* Founder and Leader of *HW Game Dev Club*, January 2020 – Present
  + Founded the club as a way for students interested in game design to join and work on a unified video game project
  + Currently working with 8 other club members on a 2D action-platformer
* President of *HW JSA*, June 2020 – Present
  + Organizing convention attendance and Chapter events for the Harvard-Westlake chapter of the [*Junior State of America*](https://www.jsa.org/)
* Improv Member at the *Jackanapes Improv Troupe*, October 2018 – Present
  + Member of one of Harvard-Westlake’s improv troupes

### Past Experience

* Instructor at [*Covid-19 Hackathon*](https://www.gofundme.com/f/innovateen-hackathon), May 2020
  + Taught a series of classes on Game Design and Object-Oriented Programming
* Vice President of *HW JSA,* June 2019 – June 2020
  + Helped manage Chapter affairs
* Debater at the *Harvard-Westlake Debate Team*, September 2017 – June 2018
  + Debated in the California Lincoln-Douglas debate circuit

### Computer Science

* Python – computer vision with OpenCV object recognition and neural network training
  + [FreehandVR](https://docs.google.com/presentation/d/137UCDOzPDin8n-XMrszZqyXMkZ7fOd4xSEfIhD5BCd4/edit?usp=sharing) – VR hand tracking software
  + [ReMotion](https://docs.google.com/presentation/d/1peyDdFdO-PX4OWXvgIV0yTC6snX3P-mz8nkTCC_MoaY/edit?usp=sharing) – 3D body tracking software
* HTML, CSS, JS/JQuery – front and backend website design and webserver hosting
  + [willfarhat.com](http://willfarhat.com) – personal website created from scratch and hosted on a Raspberry Pi webserver at my home
* NodeJS – backend video game server programming
  + [Tiny Headed Game](http://www.thkgame.com) – uses a custom three server deployment to load balance across two instances of a shared game world
* PHP – backend programming
  + [Inc Life](http://www.willfarhat.com/inclife/) – uses a single server to host players and send messaged files between clients
* GML, C# - video game programming
  + [Outset](http://www.willfarhat.com/outset/) – a nonlinear 2D platformer that I’ve been working on since August 2017; the game isn’t done yet, but the demo is!
  + [Companion](https://willf668.itch.io/com) – an out-of-control RPG made in 48 hours for the GMTK Jam 2020
* AWS – Elastic Beanstalk load balancing, EC2 deployment, S3 static hosting
* Awards
  + First Place at [*Hack HW Spring 2019*](http://hwchronicle.com/students-develop-projects-at-third-annual-hackathon/) for FreehandVR
  + First Place at [*Hack HW Fall 2019*](http://hwchronicle.com/hw-venture-hosts-annual-hackathon/) for ReMotion

### Arts and Humanities

* [Visual Art Portfolio](http://www.willfarhat.com/portfolio/)
* Gold Key, Silver Medal in Video Game Design – Scholastic Art and Writing Awards
  + [Won for Part 1 of Outset](https://ors.artandwriting.org/media/496240)
* Sociedad Honoraria Hispanica (National Spanish Honor Society)