Patrick Westervelt

Full Stack Developer

patrickwestervelt.us@gmail.com | 201-982-6526
https://github.com/Psytew | https://www.patrickwestervelt.com

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Technical Skills

Programming/Scripting Languages: JavaScript, Typescript, CSS, HTML, Node.js, Python, PHP
Libraries, Databases and Other: React, Vue, jQuery, Laravel, SQL, MongoDB, Git, Adobe Suite (Photoshop, Premiere), Autodesk Maya

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Software Projects/Open Source

PokeCommunity Forums - Live website (https://www.pokecommunity.com/index.php)
- I work as a front end volunteer to an open source online forum. The full-stack includes Bootstrap, Javascript, React, Sql, Node.js, Koa
- Implemented a basic toast system using react-bootstrap for when certain actions are completed
- Converted various stylings from pure CSS into presentational components

Lightning Mafia - Live Demo (https://lightning-mafia.herokuapp.com/)
- An online multiplayer game inspired by games like Spyfall and One Night Ultimate Werewolf
- Created with Meteor, utilizing JavaScript and React for front end functionality and utilizing Node.js and MongoDB for back end functionality.
- Users connect to rooms, invite other players, are assigned roles, and do specific actions in the night based upon which role they get, manipulating the role information in the database

Patflix - Live Demo (http://obscure-harbor-76236.herokuapp.com/)
- A Netflix mockup site populated by short films that I have made
- Utilizes JavaScript and Express for front end functionality and Passport.js, Node.js and MongoDB for back end functionality.
- Features full CRUD capabilities for uploading comments to the videos

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Experience

Research Assistant at Emerson Face Lab (Oct 2018-current)
- Assisted in credited research of communication between children with and without learning disabilities
- Wrote simple computer programs using JavaScript to convert motion capture data into timeframes

Substitute Teacher at New Milford School District (May 2018-current)
- Substitute teach grades K-12 in a wide variety of classes and environments

Peer Tutor at Emerson College (Sept 2018-current)
- Peer tutor for programming, computer animation, and screenwriting classes at Emerson College

Lead Instructor for iD Tech at Harvard University (May-Aug 2019)
- Taught students ages 10-17 topics such as programming in various languages, engineering with a Micro:bit, virtual reality with Unity, C# and the Oculus Go, and 3D modeling with Autodesk Maya
- Supervised instructors, attended administration briefings, mediated issues with both parents and children
- Led meetings with instructors to communicate information between management and instructors, and worked in groups with both administration and instructors to better the program

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Education

Emerson College (Expected Graduation Dec 2019)
- Studied visual media arts, including web development, media, and filmmaking
- Cumulative GPA of 3.93
- Made Dean's List each semester