Michael Park

Seattle, WA | 206-720-6454 | thatmichaelpark@gmail.com | thatmichaelpark.github.io

Profile

Well-rounded software developer. Technical skills include:

- HTML, CSS
- jQuery
- JavaScript (Angular, React, Node, Express)
- PostgreSQL
- MongoDB
- Bootstrap, Materialize.css and Material-UI
- Electron
- Johnny-Five
- OOP
- TDD with Mocha, Chai, and Supertest
- Pair programming
- Git, GitHub

Education

Certificate, Web Development | *Galvanize, Inc.* | *Seattle WA*

M.A., Music | *University of Washington* | *Seattle, WA*

B.S., Computer Science | *University of Ottawa* | *Ottawa, Canada*

Experience

Contractor, Full-Stack Web Developer | *High Seas Consulting* | *Seattle, WA* | *2016 - 2017*

- Worked on an inventory management system using React, Node, Socket.io, and RxJS.

Full-Stack Web Development Student | *Galvanize, Inc.* | *Seattle, WA* | *2016*

- Developed a jigsaw puzzle with moving edges. Built using React, Node, Express, PostgreSQL. Companion editor built with Angular and Electron.
- Developed a multi-user drum machine. Team size: 3. We used React and Socket.io for the front end, Node, Express, and PostgreSQL for the back end. I was responsible for the drum machine operation and the chat functionality.
- Developed a family tree database with graphical front end. Team size: 2. I wrote the family tree drawing routine. Node/Express/PostgreSQL back end serving EJS pages.
- Developed a sliding-tile puzzle using JQuery-UI drag-and-drop and the Flickr API.
- Developed a multi-player tank game with 3D wireframe graphics and analog controls. I wrote the graphics and networking code using HTML canvas and Socket.io.
- (All the above projects can be seen at thatmichaelpark.github.io.)

Owner/Manager | *Renton Computers* | *Renton, WA* | *2014 - 2016*

- Owned and managed a computer repair store.
- Developed web-based point-of-sale and ticket-tracking software for in-store use.

Various | *Seattle, WA* | *2011 - 2013*

- Served as Secretary on HOA. Regularly updated website with new content; improved communications with homeowners.

- Tutored math and computers as a volunteered at the Big-Brained Superheroes Club (after-school program).
- Worked at a makerspace/hackerspace on projects; ran meetups; tutored electronics and programming.

Technical Writer | *CTL2* | *Seattle, WA* | *2010*
- Wrote training material for a proprietary programming language, electronics testing, and car sales.
- Created GUI for CTL2's e-learning system.

Programmer Writer | *Microsoft* | *Redmond, WA* | *1998 - 2009*
- Created and maintained documentation and code samples for Visual C++ team.
- Developed a program to help convert C# code samples to Managed C++.

Recent Projects
Fractal Jigsaw Puzzle | thatmichaelpark.github.io/fractal-jigsaw-puzzle/
- A jigsaw puzzle made of smaller jigsaw puzzles made of smaller jigsaw puzzles; built using HTML Canvas, JavaScript.

Gadgetina | gadgetina.com
- A music keyboard/MIDI controller based on the Wicki-Hayden key layout; built using P8X32A microcontroller, custom printed circuit boards, custom enclosure.

Sphinx | sphinxcompiler.com
- Self-hosted compiler for the Parallax P8X32A Propeller microcontroller.
- Awarded 3rd place in the Propeller Design Contest 2009-2010.