

Kurtis Taylor

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Education

Purdue University Fort Wayne

Master of Science, Applied Computer Science

Bachelor of Science, Computer Science, *minor in Mathematics*

GPA: 3.40/4.00

August 2018 - December 2019

August 2014 - May 2018

Qualifications

- Proficiency in Java, Python, PHP, JavaScript (Node, Angular), Bash, and mobile development
- Familiar with programming under OSX, Linux (Debian), Windows, and Android environments
- Experience with modern version control systems, such as Git
- In-depth knowledge of software design, including UML, object oriented programming, MVC, software specification and testing (JUnit), Agile methodology, and project management
- Highly responsible, comprehensive, and dedicated team player

Professional Experience

IPFW Center for Academic Success and Achievement, Fort Wayne, IN

August 2015 - Present

Teaching Assistant, ScholarChat Mentor, Tutor

- Work with students to provide further understanding of computer science and math courses
- Established ScholarChat program, a student-led mentoring program designed to motivate students academically and build strong relationships with peers

Thumb Travel, Indianapolis, IN

August 2017 - Present

Software Engineer Intern

- Creating an auto-matching, long distance ride-sharing platform exclusively for college students
- Designing web application and mobile application interfaces using HTML, CSS, and jQuery mobile
- Developing platform functionality using PHP, Javascript, jQuery, third party APIs, and Cordova

OneAmerica, Indianapolis, IN

Summer 2017

Software Developer Intern

- Contributed to Agile software team developing a portal for agents who sell and service insurance policies, provided in a modern, secure web application supporting desktop and mobile devices
- Developed automated documentation generators in Java for RESTful services in the portal's API
- Worked with and built SOAP requests in JavaScript to communicate with AWS RDS servers
- Wrote unit and integration tests for portal API controller classes
- Selected among class of 23 interns to host summer intern project presentation

IPFW Department of Computer Science, Fort Wayne, IN

April 2016 - October 2016

Research Assistant

- Published research paper with Dr. Zesheng Chen on the spread of influence in social networks
- Derived a mathematical Markov model to predict the spread of influence in undirected social network topologies, such as Facebook and LinkedIn, more accurately by 15%

Relevant Projects

Indoor Navigation: Improving Patient Experience, Senior Capstone Project

May 2017 - Present

Team Leader, sponsored by Parkview Health

- Developing mobile Android application that provides indoor navigation and wayfinding capabilities for patients and visitors at the Parkview Regional Medical Center using BLE beacons
- Creating prototype solution covering 25,000 square feet, scalable up to 100,000 square feet

BeerBuddy, Web Application Development Semester Project

August 2017 - Present

- Web application that enables users to share beer and liquor prices after visiting local liquor stores