

Nathalie R. Tate

SOFTWARE DEVELOPER

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Summary

Innovative software developer with experience creating online marketplace applications for local startups. Excels at working with clients to ensure projects meet expectations and are delivered on time.

Education

Oakland University

Rochester, MI

B.S. IN COMPUTER SCIENCE AND ENGINEERING – GPA: 3.35

- Graduate-Level courses in Data Mining, Computational Intelligence, and Software Verification

Experience

Lead Software Developer

Troy, MI

HERCULEZE TECHNOLOGIES, INC.

Oct. 2017 - Present

- Designed and developed an online marketplace, using Perl and HTML/JavaScript, to match customers with delivery providers
- Designed and developed a native Android application to enhance mobile users' experience.
- Implemented a RESTful API to service the marketplace clients
- Captured requirements and installed and managed software dependencies
- Designed, implemented, and maintained Database Schema
- Configured and maintained VPS web hosting

Web Application Developer Intern

Rochester, MI

CAUSE ACTIVATORS, LLC

Jan. 2018 - Apr. 2018

- Developed an online cause marketplace to match nonprofit organizations with donors
- .NET Core 2.0 web application using C# and JQuery
- Utilized MVC and RESTful API design patterns
- Configured CI/CD using VisualStudio.com and Microsoft Azure Cloud Services

Projects

Sentiment Analysis Projects – Perl

Oakland University

DATA MINING AND COMPUTATIONAL INTELLIGENCE PROJECTS

- Performed sentiment analysis by using weighted keywords and a tf-idf similarity measure on data mined from Twitter
- Used weighted keywords and known associations to compare Twitter Users to determine political affiliation
- Used a tf-idf similarity measure to compare Tweets in order to find terms of service violations

AceChat – HTML/JavaScript using Websockets

Oakland University

SOPHOMORE DESIGN PROJECT

- Developed cross-platform chat client with custom JSON protocol to allow multiple users to communicate over the Internet

Skills

Programming

Perl, JavaScript, Android/Java, Python, C/C++, C#, \LaTeX , R, SQL

Web Technologies

HTML5, .NET Core, Perl CGI, Microsoft Azure Cloud Services, Apache HTTP Server, PayPal EWP

Design Patterns

Model-View-Controller (MVC), Representational State Transfer (RESTful API)

Software Applications

Office 365, vim, Wireshark, VirtualBox, Visual Studio, Android Studio, git

Operating Systems

Windows (XP - 10), Linux (Arch, Mint, Ubuntu), Android