Nathalie R. **Tate**

SOFTWARE DEVELOPER

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Summary

Innovative software developer with experience creating online marketplace applications for local startups, looking for a software development role with an established company.

Education

Oakland University   *Rochester, MI*

B.S. IN COMPUTER SCIENCE AND ENGINEERING – GPA: 3.32

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

Experience

Lead Software Developer   *Rochester, MI*

HERCULEZE TECHNOLOGIES, INC. (HERCULEZE.COM)   *Oct. 2017 - Present*

- Designed and developed an online marketplace to match customers with delivery providers (code base approx. 15000 lines)
- Designed and developed a native Android application to enhance mobile users' experience.
- Designed, documented, and implemented a RESTful API to service both marketplace clients
- Designed and implemented automatic testing procedures
- Trained junior developer in Perl and marketplace codebase
- Designed, implemented, and maintained MySQL Database Schema

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, Postman
Operating Systems	Windows (XP - 10), Linux (Arch, Mint, Ubuntu), Android
System Administration	Disk Partitioning, File System Management, Database Management