

Nathalie Tate

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Software developer experienced with developing online marketplace applications for local startups. Strong problem solver with a willingness to learn new technologies. Actively seeking software development opportunities.

Education

Oakland University Rochester MI
Bachelor of Science in Computer Science (GPA 3.32) 2018
• Graduate-Level courses in Data Mining, Computational Intelligence, and Software Verification

Professional Experience

Herculeze Technologies Inc Rochester MI
Lead Software Developer October 2017 – present
• Developed and launched an online marketplace application to match customers with delivery providers, creating a new revenue stream and allowing the company to receive funding (herculeze.com)
• Developed a native Android application to enhance mobile users' experience
• Developed a RESTful API and a MySQL Database Schema to support the Android and web clients
• Automated and documented API testing procedures
• Participated in weekly meetings with client to capture project requirements and provide progress updates
• Conducted code review for and provided guidance and training to Summer Interns
• Configured version control and release deployment using GitHub Webhooks
• Implemented secure customer payments using PayPal Encrypted Web Payments (EWP)

Cause Activators, LLC Rochester MI
Web Developer Intern January 2018 – April 2018
• Developed and launched an online "cause marketplace" to match non-profit organizations with local businesses looking to make charitable contributions
• Configured CI/CD using VisualStudio.com and Microsoft Azure Cloud Services
• Utilized MVC and RESTful API design patterns
• Participated in weekly meetings as part of an Agile development

Projects

Sentiment Analysis Projects Oakland University
Data Mining and Computational Intelligence Projects 2017-2018
• 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 patterns
• Used a tf-idf similarity measure to compare Tweets in order to find terms of service violations

AceChat Oakland University
Sophomore Design Project 2016
• Developed cross-platform chat client with custom JSON protocol to allow multiple users to communicate over the Internet
• Used WebSockets to communicate asynchronously with central server

Skills

- **Programming Languages:** Perl, SQL, JavaScript, C/C++, Java, C#, Python, Ruby
- **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