

Katherine Marie Piette

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SKILLS

Programming Languages: JavaScript, Java, Python, PHP, Go, MySQL

Operating Systems: Windows XP/7/8, Mac OSX

Internet: HTML5, CSS3, WordPress

Other: React, Spark IDE, Eclipse IDE, Agile Methodology

WORK EXPERIENCE

Nest, an Alphabet Company, Palo Alto, CA

May 2016 – August 2016

Software Engineer Intern

- Leveraged testing-driven development to build sections of the Works With Nest web portal and API
- Upgraded Android sample code for Nest API integration and documented curl tutorial for API calls
- Led daily team standups when needed
- Represented Nest for the MHL Spring 2016 Finale and presented on Nest API and brand for 400 hackers

Mizuho International Plc., London, UK

January 2016 – April 2016

Information Services Department Intern

- Tested acquired software, submitting requests for change to the provider prior to company-wide distribution
- Responsible for writing scripts for Microsoft Active Directory to reorder software licenses for user accounts

Messiah College's Student Computer Services, Mechanicsburg, PA

September 2014 – Present

Computer Support Technician

- Troubleshoot problems on students and faculty PC and Mac laptops
- Performed hardware upgrades and equipment repairs such as memory and hard disk replacements
- Discovered and rectified hardware and software problems related to operating systems and low-level device drivers
- Debugged systems and eliminated viruses and other malware

EDUCATION

Bachelor of Science in Computer and Information Sciences

May 2017

Concentration in Software Development

Minor in Marketing

Messiah College - Mechanicsburg, Pennsylvania

PROJECTS

NorthStar – Designed and built the front-end UX for a refugee browser-based mobile application. The app's purpose is to allow refugees to have easier access to the services available to them and their families in their local communities. The frontend is written with React with a Firebase backend that connects to the admin portal. Presented this project at the Messiah College 2017 School of Science, Engineering, & Health Symposium.

SymPRM – Worked on a team to build an admin portal for the internal Symposium Management Software for Messiah College's annual Symposiums. Added necessary functionality for project management and event scheduling. Mostly worked with JavaScript and PHP but also wrote database commands to access information needed.

FaithConnect – Co-led a student volunteer project to develop a suite of web apps that bridge the communication gap between faith-based organizations and non-profits, provides event, volunteer, group, and partner management, and allows for report generation and donations. Oversaw the successful launch of FaithConnect in April 2016.

<http://faithconnect.info>

Absent A's – Developed a web application that uploads an audio file and utilizes IBM Watson's APIs (speech to text and alchemy) to translate the speech in the file to text and then analyze the text and generate quiz questions based on the content of the file. Submitted for HackPSU 2016 and was a winner for the IBM challenge.