

Bogdan Pozderca

Computer Science & Engineering

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Education

Michigan State University
B.S. Computer Science & Engineering
B.S. Genomics & Molecular Genetics

East Lansing, MI
May 2018

Portfolio

[https bogdan.pozderca.com](https://bogdan.pozderca.com)
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[bogdanpozderca](#)
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Work Experience

Yello Senior Software Engineer Full-stack development building enterprise SaaS applications using Ruby on Rails and React, with an emphasis on continuous improvement, testability, readability, proper security, and scalability. Involved in the contributing to user interface and the development for Campus Recruiting solutions, and Event Management. In addition to designing the architectures for Candidate Data Privacy and Candidate Application Matching for Yello's flagship application, Yello Enterprise.	Chicago, IL June 2020 - Present Software Engineer II Software Engineer I Part Time Software Engineer Software Engineer Intern May 2019 - June 2020 May 2018 - May 2019 Sept 2017 - May 2018 May 2017 - Aug 2017
Matrix: Center for Digital Humanities & Social Sciences Senior Student Full-stack Developer Development of Mbira, a platform to build, serve, and manage web-based and native mobile heritage experiences. Additionally responsible for aiding in the creation and maintenance of online digital resources. Development tools include PHP, MySQL, SCSS, JS, and Angular.JS.	East Lansing, MI Aug 2016 - May 2018 Website Development Intern Student Full-stack Developer May 2016 - Aug 2016 Dec 2014 - May 2016
Blue Medora Inc. Software Engineer Intern Developed & tested cloud system and performance management packs for VMware vRealize. Worked on adding features to the software responsible for monitoring, reporting, and analyzing large software applications. Additionally helped create management extensions developed in Java, C++, C#, and JRuby.	Grand Rapids, MI May 2015 - Aug 2015

Personal Projects

Connecting an Android to Homekit
Home Automation
Aug 2021 - Present

Using Javascript, I was able to design a plugin that bridges the gap between my Smart TV and HomeKit for the Homebridge software running on a Raspberry Pi 3. This plugin allows for the TV to be seen as a Homekit device and be included in Homekit automation tasks.

Crypto Mining Script
Home Automation
Jan 2021 - Present

Through a series of PowerShell scripts, I designed a way for Siri Shortcuts to ssh securely into my Windows PC and execute commands that close open applications, starts the Eth Mining program, and sleeps the monitors.

Embedded Emulation
Game System Emulation
May 2016 - Present

By modifying a Playstation 3 controller to also supply power to a Raspberry Pi Zero, it was possible to embed the Pi inside the controller and emulate SNES, NES, Gameboy, and N64 Games using the buttons of the controller. This essentially created a plug and play console.

SpartaHack API
Content Management Endpoint
May 2016 - May 2018

Designed as a solution to yearly team turnover and changing developer tool stacks. This api serves as an endpoint for user registration, authentication, and application processing as well as managing content for mobile applications and website regardless of their tool stack.

SpartaHack 2016
16.spartahack.com
Mar 2015 - Feb 2016

Designed the server to handle user registration and authentication, as well as application processing. In addition, developed the front end using assets and wireframes created by the design team and myself.

Audiolyze
Music Analytics Website
Aug 2014 - Jan 2020

Using Facebook's Graph API, gathered music data to calculate statistics and design a stacked area chart representing a user's music preferences for data visualization.

Hobbies & Interests

Fitness Hockey Piano Snowboarding

Knowledge

Relevant Courses	Add'l. Frameworks	HTML5/CSS3	
Algorithm Engineering	Angular.JS	Ruby on Rails	●●●●●●●●●●
Comp. Architecture	CakePHP	JavaScript	●●●●●●●●●●
Comp. Organization	React	GraphQL	●●●●●●●●●●
Data Structures & Algorithms		Python	●●●●●●●●●●
Operating Systems		SCSS	●●●●●●●●●●
Software Design		Ruby	●●●●●●●●●●
	Linguistic Fluency	PHP	●●●●●●●●●●
	Romanian	C++	●●●●●●●●●●
	French	SQL	●●●●●●●●●●

University Leadership, Honors, & Activities

Michigan State AutoDrive
Team Member
Sept 2017 - Nov 2018

Collaborating with a team of 20 individuals to design and demonstrate a full autonomous driving passenger vehicle in the SAE International AutoDrive Challenge. Involved in the Simultaneous Localization and Mapping aspect of the project.

Spartan Hackers
President
Dec 2014 - Dec 2016

Lead an 11-member team responsible for planning inspiring workshops, tech talks, small hackathons, and hackathon trips to encourage the MSU Computer Science community to learn and develop outside of the classroom.

SpartaHack 2016, 2017
Director of Technology, Webmaster
May 2015 - Aug 2017

Responsible for leading a team of 10 developers in building the mobile and web applications using Agile methodologies for SpartaHack, a 700 person hackathon.

Best Data Visualization
Tactile
WildHacks 2015

Most Socially Innovative
Tactile
WildHacks 2015

Staff Pick, DevPost
Cash Only
Hack the Planet 2015

Top Ten
Web Roast
Boilerplate 2015