

# 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)  
[in in/bogdanpozderca](https://in.bogdanpozderca)

[bogdanpozderca](#)  
[bogsetafire](#)

## Work Experience

### Popular Pays by Lightricks

#### Senior Software Engineer

I led the integration of advanced A/B testing and initiated the use of Notion for effective documentation, elevating engineering standards and knowledge sharing. Spearheading architectural and performance enhancements, I significantly improved our creator-brand engagement platform, redefined subscription and permission models, and introduced a self-documenting API client, while mentoring engineers and leveraging Google Cloud Platform to enhance scalability and efficiency.

**Chicago, IL**  
Jan 2023 - Present

#### Hunt Club

##### Senior Software Engineer II

I helped optimize and scale the in-house relationship engine, allowing thousands of subject matter experts to be leveraged as part of a powerful referral network for Hunt Club Recruiters. Additionally, as part of the Platform team, I contributed to building solutions to Role and Permission Management within Hunt Club Atlas, the SaaS version of the relationship engine. Development involved Ruby on Rails, React, Elasticsearch, Docker, Redis, and PostgreSQL.

**Chicago, IL**  
Feb 2022 - Nov 2022

#### 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 - Feb 2022

Software Engineer II

May 2019 - June 2020

Software Engineer I

May 2018 - May 2019

Part Time Software Engineer

Sept 2017 - May 2018

Software Engineer Intern

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

May 2016 - Aug 2016

Student Full-stack Developer

Dec 2014 - May 2016

## 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, creating 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.

### 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

Algorithm Engineering  
Comp. Architecture  
Comp. Organization  
Data Structures & Algorithms  
Operating Systems  
Software Design

### Add'l. Frameworks

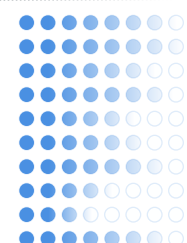
Angular.JS  
CakePHP  
React

### Linguistic Fluency

Romanian  
French

### HTML5/CSS3

Ruby on Rails  
JavaScript  
GraphQL  
Python  
SCSS  
Ruby  
PHP  
C++  
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.

**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  
Boilermake 2015