

# Joe Roybal

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## 🎓 Education

### Southwestern University

BA in Computer Science with Data Science and Design Thinking Minors

2017–2021

Georgetown, TX

## 🕒 Experience

### Software Specialist

University of Arkansas : Information Technology

Aug 2021 – Present

Fayetteville, AR

- › Wrote and utilized web browser extensions and windows scripts to automate tedious tasks (Python, JS)
- › Provided software maintenance and support for commercial applications and ones made in house (VB.NET)
- › In charge of generating and distributing daily and monthly reports using Microsoft Access

### Computer Science Capstone Project

Southwestern University

Jan 2021 – May 2021

Georgetown, TX

- › Worked with a team of peers to create, implement, and deploy a functional web app
- › Set-up, developed, and refined the back-end of web app using Heroku
- › Used Flask and a MySQL server to create and maintain the databases for the web app
- › Initialized on-site Raspberry Pi that was used for data collection and distribution
- › Initialized and defined an algorithm for sanitizing user input

### Information Technology Technical Consultant

Southwestern University

Aug 2018 – Aug 2021

Georgetown, TX

- › Assisted faculty, staff, and students with software and hardware issues
- › Installed and configured software and hardware in computer labs across campus
- › Set up visual and audio supplies for events and classrooms around campus
- › Maintain and repair 200 university printers

### Research Assistant

Southwestern University

May 2018 – Jun 2018

Georgetown, TX

- › Worked with other Computer Science majors on projects using artificial intelligence
- › Used Java, C, and PowerShell with Evolutionary Neural Networks to implement projects
- › Organized and documented multiple game files for the use of other artificial intelligence projects

## 🔬 Projects

### PokeDisplay

December 2021

- › Developed using Python, Flask, and HTML in Visual Studio Code
- › Uses web scraper to gather information on randomly selected Pokemon and displays it on the web page

### Cybersecurity Hackathon Competition

November 2019

- › Attended a workshop at the University of Dallas to develop hands-on skill in Cybersecurity topics such as: Digital Forensics, Reverse Engineering, Penetration Testing, and more during the 9<sup>th</sup> Texas Security Awareness Week
- › Applied Cybersecurity knowledge base to the competition and received 3rd Place Overall

## ⚙️ Skills

**Languages** Java, Python, HTML, GO, SQL, JavaScript, C++ , C

**Software** Visual Studio, Visual Studio Code, Eclipse, PyCharm, p5.js, ArcGIS, Git, Vim, GitHub, Command Line, Solid Works, Microsoft Access