

# Robby Zambito

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## Summary

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My primary interest is in developing decentralized applications that are designed to respect the needs of the user. During my time at SUNY Polytechnic Institute I engaged in research with Dr. Jorge Novillo with a focus on the development of privacy-respecting decentralized applications. I also have experience working in industry using both Typescript and Java.

## Technical Skills

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### Languages

Java, Scala, Javascript /  
Typescript, Python, Haskell, C / C++,  
SQL / PostgreSQL,  
Matlab, Elixir

### Deployment & Frameworks

ReactJS, OSGi, Play  
Framework, Bootstrap,  
HandlebarsJS, Heroku, AWS, Vultr

### Other Competencies

Git, Github / Bitbucket, JavaFX,  
Nginx, Arduino, Akka, Apache Spark,  
Decentralized Applications, Linux  
Development

## Work Experience and Projects

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### BAE - Software Engineering Intern

*May 2019*

[geospatialexploitationproducts.com](http://geospatialexploitationproducts.com)

Restructured the system for handling user roles and permissions to be more extensible in the future. Acted as a part of a team working on various bug and initiative work.

### Othello AI

*Nov 2019*

[github.com/Zambito1/OthelloAI](https://github.com/Zambito1/OthelloAI)

I implemented a command line version of the game Othello, and then created an AI to play against the user. The system would take the current game state, and a function scoring each possible move, and select the move with the highest score. The difficulty of the AI could be tweaked by replacing the function.

## Education

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### SUNY Polytechnic Institute, BS in Computer Science

Graduation Date: July 2020

### Noteworthy Coursework

Independent Study in blockchain technology and its applications including and beyond cryptocurrency. Applied machine learning and neural networks in Computer Vision and Artificial Intelligence classes. Learned about the origins and the application of modern security protocols in my Cryptography class.

### CoveyCS - Software Engineering Intern

*Jan 2019*

[coveyys.com](http://coveyys.com)

Worked on several projects on teams with other interns. One project was to consume an existing API, and display the data in a PDF. Another project was to research solutions for modelling existing data stored in a graph database using a relational database. I researched Postgres and the ltree extension as a potential solution.

## Achievements

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- President's Excellence List: SP 20, SP 19
- President's Achievement List: FA 19, FA 18, FA 17
- Progressive Achievement Award in 2017

## Extracurricular

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- Senior Editor of Genesis Yearbook for the 2019-2020 school year
- Junior Editor of Genesis Yearbook for the Spring 2019 semester
- Photographer for Genesis Yearbook for the Spring and Fall semesters of 2018
- Previously ran 400m hurdles in track