

# Joe Pires

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## EDUCATION

**UNIVERSITY OF PENNSYLVANIA**  
**BA IN POLITICAL SCIENCE**  
**MINOR - COMPUTER INFORMATION SCIENCE**  
May 2019 | Philadelphia, PA  
Dean's List (2015-2016 Academic Year)  
Member - Pi Sigma Alpha Honor Society  
GPA: 3.45 / 4.0

## COURSEWORK

Programming Languages and Techniques  
Data Structures and Algorithms  
Computer Organization and Design  
Intro to Networks and Security  
Operating Systems  
Artificial Intelligence  
Machine Learning

## SKILLS

### PROGRAMMING

Proficient

Java • C • Git • JavaScript • Python

LaTeX • Unix

Intermediate

CSS • HTML • C++ • OCaml

Mathematica • PHP • Verilog

Ruby

Basic

C# • Go • SQL

## ACTIVITIES

### PENN BAND

Trombonist - 2017-Present

### INTERNATIONAL AFFAIRS ASSOCIATION

Member - 2015-Present

### THE DAILY PENNSYLVANIAN

Staff Writer - Fall 2015 and Fall 2016

### PENN DEMS

Member - 2015-2016

## EXPERIENCE

### AMAZON | SOFTWARE DEVELOPMENT ENGINEER

July 2019 - June 2020 | Santa Clara, CA

- Worked with the Alexa Reminders team to develop new reminders features for customers.
- Helped with the reminders portion of Alexa's Brazilian launch.
- Fixed customer-affecting bugs for greater customer satisfaction.

### AMAZON | SOFTWARE DEVELOPMENT ENGINEERING INTERN

May 2018 - August 2018 | Santa Clara, CA

- Worked with the Alexa Alarms team to develop a new feature for Alexa.
- Worked on the backend of the Alexa service and the Alexa mobile companion app to develop the feature.

### UNIVERSITY OF PENNSYLVANIA DIGITAL SCHOLARSHIP PROGRAM | DIGITAL PROJECTS ASSISTANT

September 2017 - May 2019 | Philadelphia, PA

- Worked with the University of Pennsylvania Digital Scholarship Program to help design and edit software for various classes and departments at the University of Pennsylvania.

### UNIVERSITY OF PENNSYLVANIA DIGITAL SCHOLARSHIP PROGRAM | DEVOPS INTERN

May 2017 - August 2017 | Philadelphia, PA

- Increased functionality in and helped redesigned Scalar, including adding automatic PDF conversion, automatic generation of books for journals, and facilitating peer reviews.
- Improved functionality in the Open Richly Annotated Cuneiform Corpus (ORACC), including adding a user registration feature, improving server functionality, and adding features used in the GUI for ORACC.
- Refactored and made minor changes to other software projects.

### UNIVERSITY OF PENNSYLVANIA, PERELMAN QUADRANGLE | FRONT DESK STAFF

April 2016 - May 2019 | Philadelphia, PA

- Assisted visitors at Houston Hall and the ARCH Building at the University of Pennsylvania with questions and directions.

### ACTION | INSTRUCTOR

August 2015 - December 2015 | Philadelphia, PA

- Worked with a team of volunteers to teach Spanish to schoolchildren in West Philadelphia.

## SOME PROJECTS (MORE ON GITHUB)

### PAC MAN GB Spring 2019/2020

- Using GBDK, create a more playable Game Boy port of Pac-Man.

### TWITTER BOTS Summer 2017

- A bot that analyzes sentimentality in tweets, and an interactive checkers game. Written in Python.