

Alex Pinette

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EDUCATION

Wheaton College

Bachelor of Arts in Computer Science, Minor in Data Science

GPA: 3.85/4.00

Relevant Courses: Artificial Neural Networks and Deep Learning, Artificial Intelligence, Computer Security, Operating Systems, Algorithms, Data Structures, Mobile Computing, Methods of Data Analysis, Web Design, Linear Algebra

Norton, MA

Aug. 2019 – May 2023

EXPERIENCE

Nuance Communications (a Microsoft Company)

Software Development Intern

Burlington, MA

May 2022 – Aug. 2022

- Leveraged Microsoft Azure's EventGrid, Logic App, and HTTP Trigger to investigate web-hooks in a publisher/subscriber model.
- Optimized Nuance's omni-channel conversation engine (DLGaaS) microservice by implementing client-side load balancing.
- Updated and added unit test cases to Nuance's voice configuration manager microservice in order to survey results from Redis, as well as gRPC endpoints.
- Coordinated with a team of 15, following the Scrum methodology to rapidly handle tickets in two-week sprints.

Wheaton College - Department of Computer Science

System Administrator

Norton, MA

Aug. 2021 – Present

- Oversee a 10+ mixed system environment, including Windows, and Linux machines.
- Resolve server issues, monitor server health, upgrade, and configure application software needed on each machine.
- Write custom Powershell scripts to perform bulk changes on Windows machines.

P3Software

Software Engineer Intern

Natick, MA

May 2020 – Aug. 2020

- Delivered a new front-end website design using Adobe XD to the UX/UI, and marketing teams.
- Implemented a prototype of the design using HTML and CSS.
- Presented SEO strategies and cut website loading times by cleansing data more efficiently.

PROJECTS

Bars.ai | *Python, Keras, Tensorflow*

[GitHub](#)

Song Lyric Generator

- Constructed and trained a LSTM recurrent neural network to generate song-lyrics using a number of curated datasets containing lyrics from music artists.
- Collaborated with two other developers in an agile environment.

Wheaton Hub | *Java, Android SDK*

[GitHub](#)

Mobile App for Students Attending Wheaton College

- Collaborated with four other developers to create an Android application that combines all tools needed for a student at Wheaton College.

SudokuSolved | *Python, PyGame*

[GitHub](#)

Sudoku Solver Application

- Developed a PyGame GUI in order to visualize a recursive backtracking algorithm that solves any Sudoku puzzle.

ElevatorSim | *C, Pthreads*

[GitHub](#)

Elevator Simulator

- Created an elevator simulator using multi-threading techniques in C.
- Reduced turnaround time for both calls that were requested, and finished.

TECHNICAL SKILLS

Languages: Java, C++, C, Python, JavaScript, C#, HTML, CSS, Groovy, R

Frameworks: Spring, Tensorflow, Keras, gRPC, Spock, React.js, Scrum(Jira), Android SDK

Developer Tools: Azure, Docker, Kubernetes, Prometheus, Git, Redis, Confluence, Jupyter, Linux, Bash

Libraries: pandas, NumPy, Matplotlib, PyGame