

Alec Jordan

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Availability: Mar 2022

EDUCATION

Northeastern University, College of Computer and Information Science Boston, MA
Bachelor of Science in Computer Science May, 2018
Relevant Courses: Web Design, Software Development, Computer Graphics, Artificial Intelligence, Database Design, Computer Systems, Networks and Distributed Systems, Game Programming, Game AI, Sound Design

COMPUTER KNOWLEDGE

Programming Languages: Python, Javascript, C#, Java, SQL, HTML, CSS, SASS
Frameworks, Technologies and Software: Flask, Django, ReactJS, VueJS, PostgreSQL, MSSQL, RabbitMQ,
Docker, Kubernetes, Ansible, Git, Unity Operating Systems: Mac, Windows, Ubuntu Linux

WORK AND LEADERSHIP EXPERIENCE

Software Engineer, Taazaa Boston, MA
Dec 2020-May 2021

- Lead a small team in maintaining and developing the Fusion platform
- Fulfilled all tasks for onboarding a new client to our Revere and Fusion platform
- Deployed and configured machine instances to AWS with Ansible
- Configured and deployed an FTP Server (pure-ftpd) container to our K8 cluster

Junior Software Engineer, Lexington Solutions Boston, MA
Jan 2019-Nov 2020

- Built core features for a modern Flask app to manage LIHTC financial documents
- Designed async message queue system for our app with RabbitMQ message-broker library
- Incorporate Prometheus monitoring for multiple flask instances running in Rancher
- Built and deployed a virus scanning container (ClamAV) into our microservice infrastructure with Ansible
- Refined the API integration test infrastructure to make additional tests easier to write, written in Groovy
- Deployed Icinga probes to track machine issues for routine maintenance

Software Engineering Co-op, Kyruus Boston, MA
June-Dec 2017

- Developed and deployed change requests and bug-fixes for Flask web applications
- Created internal web tools from scratch using Flask, Amazon Web Services, and Bootstrap
- Acted as Scrum Master, facilitating sprint planning and retrospective meetings

Project Software Quality Engineer, ERT Boston, MA
Jan-June 2016

- Created and carried out test plans to identify and replicate software bugs
- Assigned and coordinated testing tasks while monitoring their efficiency and quality
- Collaborated daily with project teams to identify priority tasks to execute

Eagle Scout, Boy Scouts of America York, ME
2005-2013

- Organized various community projects including library book sales and local cleanups
- Taught young scouts basic camping/survival skills and inspired scouts to strive to learn new skills

PROJECTS AND CLASS WORK

Portfolio, VueJS, Javascript, CSS Grid Dec 2021-Present

- Designed and built a mobile-first web app using VueJS, layed out with CSS Grid
- Learned and utilized Vue-Router to serve multiple pages on top of VueJS

CS:GO Multiplayer Level (de_bug), Hammer SDK	July 2021-Present
<ul style="list-style-type: none"> Designed and completed my first complete CS:GO Defuse level, de_bug Utilized sketches of various areas to visualize the layout and flow of the map Organized play sessions with friends to get a sense of strengths and weaknesses of the level Learned technical and psychological techniques when implementing lighting in a video game world 	
Wikipedia Scraper, Flask, Celery, Scrappy, VueJS, PostgreSQL, Docker, Heroku	Oct-Dec 2021
<ul style="list-style-type: none"> Implemented a celery job /w Scrappy to pull ancient battle information from Wikipedia Architected the database to cache data from Wikipedia to reduce number of scrapes Configured a CI/CD pipeline to push changes from GitHub to the app hosted on Heroku 	
Portfolio, Flask, ReactJS, PostgreSQL, uWSGI, Docker, Heroku	Mar 2019-Aug 2020
<ul style="list-style-type: none"> Reforged my old Django portfolio with a new Flask, React, Docker, uWSGI stack, hosted on Heroku Configured dev and prod docker builds to allow development with a running docker container Designed the app to be extensible with future mini-projects, added DnD Party Manager already 	
DnD Party Manager, Flask, ReactJS, PostgreSQL, Docker, Heroku	Mar 2019-July 2019
<ul style="list-style-type: none"> Designed and implemented a single page to track up to 6 DnD characters Frontend is ReactJS which is built and served by a Flask app running in a Docker container 	
3D Interactable Globe, Python, Django, Javascript, D3.JS	Apr 2018-Dec 2018
<ul style="list-style-type: none"> Created a Django web application to showcase personal projects and games Implemented a 3d globe with drag controls and highlight-able countries using D3.js 	
Classic Kong Deep Q Learning, Python, Gym	Feb-Apr 2018
<ul style="list-style-type: none"> Utilized the Gym library to set up a SNES environment for our neural network Set up and generated models for Keras Neural Network library to run our agent in Classic Kong Implemented an epsilon decay algorithm for the neural network to trust itself over time 	
Cinemus, Python, Django, Javascript	Jan-Apr 2018
<ul style="list-style-type: none"> Built a Django social network application for rating movies and receiving recommendations Styled user-facing pages using Bootstrap and designed the back-end architecture with Django's models Utilized Jenkins for continuous integration of our source code and our server running on AWS 	
Website Builder, Javascript, HTML, CSS	Jan-May 2017
<ul style="list-style-type: none"> Created an AngularJS application that allows users to create profiles and join/create game instances Configured a NodeJS, Express Server with MongoDB hosted on Heroku with Passport authentication 	
Robot Arm Controller, C++	Nov-Dec 2016
<ul style="list-style-type: none"> Connected individual robotic arm servomotors to a ZedBoard controller Programmed movement commands using MatLab's Simulink 	
Online Game Match Analysis, Python	Feb-July 2016
<ul style="list-style-type: none"> Learned Scrappy: an open source web crawling library for Python Experimented with Selenium in order to explore and manipulate web pages in Chrome Used XPath extensively to pull complete sets of match data from hundreds of web pages 	

INTERESTS

Skiing, Kayaking, Biking, Online party games (think Jackbox), Making goofy youtube videos, Travel

References available upon request