

# Jordan B Ireland

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## Summary

### Known Languages / Modules

- **Intermediate:** Python - 3 years, C++ - 1 year, Plot.ly - 3 years, Selenium - 2 years, NumPy - 3 years, Matplotlib - 3 years, Scipy - 3 years, Scikit-learn - 3 years, Pandas - 3 years, Java - 1 year
- **Advanced:** C# - 7 years, SQL - 5 years, CSS - 5 years, HTML - 5 years, PHP - 5 years, JQuery - 3 years, Javascript - 3 years

### Known Programs

- **Intermediate:** Revit - 1 year, Maya - 4 years, Photoshop - 4 years, Blender - 2 years, Excel - 4 years, Unreal Engine - 1 year
- **Advanced:** Microsoft Word - 10 years, Unity - 7 years, GitBash - 3 years

## Work experience

### Web Developer (Contracted)

2013 - Present

Self Employed - Arizona

Designed and created websites for clients based on their needs and programmed administrator pages for updating and changing content.

#### Current Websites:

- **HIRE! Board Game - 2019 - Present** - Website for the board game, HIRE!. Custom built design with image and media gallery and an admin webpage to edit content, add media, and edit current promotions. Custom shop experience with PayPal API.
- **TAC Design Inc - 2014 - 2022** - Construction and metal working website to show off custom interior designs. Designed and coded all pages with a private admin dashboard with photo upload and basic web editing.
- **Optimum Vision and Eye Care - 2016-2017** - Optometry website made with SquareSpace. Includes reviews linked from review sites, custom Wordpress blog, and custom code for headers and footers

### Shader & C# Programmer (Remote)

Feb 2022 - June 2022

Martian Games Studio - California

- Created and tested AI state machines with C# and programmed shaders using Unity's URP (Universal Render Pipeline).
- Troubleshooted multiplayer NPC AI to fix bugs and optimize code.
- Coordinated remotely with a team of 3 to create multiplayer AI.
- Created and managed URP scenes for an open world cityscape and subway scene.

### Owner and Designer

Nov 2020 - July 2021

Dungeons and Desserts - Phoenix AZ

- Designed and created themed desserts and novelty chocolates for sale online and to local retailers.
- 3D modeled dice sets, chocolate molds to create chocolate desserts, and Dungeons and Dragons figurines for sale in STL format or a physical object.
- Networked with local retailers to plan and market products.

### Specialty Medicine Pharmacy Technician

Oct 2019 - Dec 2020

## CVS Caremark - Chandler AZ,

- Coordinated with patients to dispense specialty medication directly to their home address.
- Updated prescriptions based on feedback from insurance companies and pharmacists' directives.
- Reached out to patients with information about medication interferences and forwarded additional questions to pharmacists.
- Worked inside EHR to update patient information including addresses, emails, and health or medication information.

## Data Science Team Lead (Remote)

Oct 2019 - Jan 2020

### Bloom Institute of Technology (formerly Lambda School) - California

- Led a cohort of 20 students in team meetings and group projects, and graded student assignments.
- Created testing materials and monitored GitHub repositories to keep code up to current programming standards.
- Worked with Section Lead to incorporate new ideas and projects into curriculum, including new python modules and upgrading from Python 2.7 to Python 3 programming.

## Ophthalmic Technician

Jun 2018 - Oct 2019

### Barnett Dulaney Perkins Eye Center - Chandler AZ

- Travelled by plane to different cities in Arizona to assist with medical care.
- Assisted retina specialists with preparing injections and surgical equipment and YAG laser.
- Checked patient eye health with Optos, got visual acuities and intra-ocular pressures.
- Dilated and checked eye health and prepared prescription for glasses and/or contacts.
- Coded medical charts with correct information and sent prior authorization requests to insurances for medication and treatment.

## Optician, Optometric Technician, Claim Adjuster

Apr 2017 - Jun 2018

### Optimum Vision and Eye Care - Scottsdale AZ

- Obtained insurance benefits and submitted claims to insurance and requests prior authorizations for medications and treatment.
- Measured positions for glasses and rigid gas-permeable lenses.
- Assisted doctor in treatment of brain/eye coordination and assisted patients with traumatic brain injuries or special needs. Measured prism and visual acuities for doctors.
- Checked glasses and contacts for order accuracy and adjusted frames for patients.

## Optician, Optometric Technician, Assistant Manager

Nov 2014 - Sep 2017

### Nationwide Vision - Chandler AZ

- Obtained insurance benefits and submitted claims to insurance and requests prior authorizations for medications and treatment.
- Measured positions for glasses and contact lenses.
- Checked glasses and contacts for order accuracy and adjusted frames for patients.

## Education

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### BS in Game Development

Nov 2021 - Est. Completion Date March 2024

#### Full Sail University

- Created Conway's Game of Life simulation in C++ and C# that ran using Windows Forms.
- Created text-based RPG in Unity using C# that took players through a world fighting monsters, collecting potions, and finishing quests.

## Apprenticeship in Data Science

Bloom Institute of Technology (formerly Lambda School)

- Descriptive & Predictive Statistics, Data Engineering, Machine Learning, & Deep Learning
- Created websites using Flask that focused on AI and displaying data with Plot.ly

### Projects:

- **Marriage Rates vs Student Loan Debt** - Analysis on if marriage rates are affected by student loan debt. Created with Flask and Plot.ly to display charts. Data pulled from CDC.gov using a Selenium bot to perform web scraping. I created API that Flask uses to call data from as well as frontend that users can use. I created selenium bot that got data, charts that display data, Flask API that frontend uses.
- **Kickstarter Success Analysis** - AI built with Python and machine learning from thousands of successful and unsuccessful Kickstarter projects pulled from the Kickstarter API to determine if a project would be successful based on multiple factors including fundraising goals, description, pictures, and videos. I created backend API that Frontend developers used as well as the AI that is called to determine if project will be successful.
- **Air Quality Dashboard** - Displays data and charts from selected city and country combination from OpenAQ API. Website built with Flask and Plot.ly to display data. I created API that Flask uses to call data from as well as a Frontend application that users can use.