ANDREW PARK

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EDUCATION

Master of Science in Analytics
Concentration in Data Analytics
Georgia Institute of Technology
Expected May 2027 (part-time, remote)

Master of Public Policy
University of California, Los Angeles
June 2020

Bachelor of Science in Psychological Sciences
Purdue University
December 2016

TECHNICAL PROFICIENCIES

- JavaScript
- React.js
- Redux
- Next.js
- Node.js
- Figma
- MongoDB
- AWS
- Docker
- Playwright
- Python
- Pandas
- Numpy
- Scikit-learn
- Keras
- TensorFlow
- Neural Network
- Natural Language Processing
- SQL
- R
- MATLAB

PROFESSIONAL EXPERIENCE

Schlüsseldienst Allgäu | Remote
Freelance Software Engineer | December 2023 to February 2024

- Collaborated with another developer to help create the frontend and backend during the initial stages of development (Link, Work in progress)
- Utilized Next.js for optimal performance in both the front and backend functions

100Devs | Remote
Software Engineer Apprentice | January 2022 to June 2023

- Completed training program with real life client projects to practice full stack web application development skills
- Created two MERN stack applications with working authentication using JWT to showcase technical proficiencies
- Applied Agile methodologies like SCRUM for project management to complete projects on time, within budget, and to client specifications

Projects

Airbnb Client Full Stack Web Application | March 2023 to June 2023 (Link)
- Directed a team of three Apprentice Developers to create a full stack web application for a client's Airbnb business
- Oversaw administration authentication using Next Auth's Google authentication and integrated Jodit's rich text editor for client to create blog posts

Portfolio Tracker - MERN Stack | February 2023 to June 2023 (Link)
- Built a MERN stack web application using Redux and Material where users can browse various coins and record their buy and sell transactions to track the progress of their portfolio
- Implemented a system to minimize the number of API calls where one user's request updates the data displayed on the web page for all users

Eventer - California - MERN Stack | October 20222 to January 2023 (Link)
- Created a MERN stack application using Redux where users can create or attend events within California
- Encrypted passwords using salting and hashing through bcryptjs and authenticated users using JWT for security

- Created a web scraping script with R to gather information about an individual's academic and professional history to later match with data provided by the government ([Link](#))
- Utilized script to compile hundreds of thousand data points on the population of interest for research analysis
- Conducted literature reviews regarding various definitions of the labor market and its relationship to immigration

Hanyang University | Seoul, South Korea
Medical College Research Assistant | March 2017 to June 2018

- Conducted behavioral tests on at-risk children, and transcribed therapy sessions
- Compared effectiveness of lab's robot tracking diagnostic test for children with ADHD to conventional tools
- Gathered and organized data from experiment to publish a poster for the Korean Association of Child and Adolescent Psychiatry (Robot motion tracking analysis in Attention-Deficit/Hyperactivity Disorder)

SELECT PROJECTS

Convolutional Neural Network: Dog Breed Classifier - Python | Personal Project (October 2021 to March 2022) [Link](#)

- Concatenated convolutional neural networks to predict a dog's breed from a class of 133 breeds
- Recorded the performance and efficiency of different optimization techniques and reached an accuracy of 89%

Neural Network: Text Message Filter - Python | Personal Project (July 2021 to September 2021) [Link](#)

- Vectorized SMS text data using Scikit-learn and trained a neural network without the use of APIs to detect spam
- Programmed a gradient checking function to check for proper implementation of backpropagation
- Achieved fast training time using mini batches and accomplished an accuracy of over 98% with Adam optimization

ADDITIONAL TRAINING

Convolution Neural Network by DeepLearning.AI, Coursera (October 2022)

Hyperparameter Tuning, Regularization, and Optimization by DeepLearning.AI, Coursera (August 2022)

Natural Language Processing with Python, Udemy (August 2021)

Neural Networks and Deep Learning by DeepLearning.AI, Coursera (August 2021)

Database Design and Basic SQL in PostgreSQL by University of Michigan, Coursera (July 2021)

Machine Learning by Stanford (online), Coursera (July 2021)

Applied Plotting, Charting & Data Representation by the University of Michigan, Coursera (June 2021)

Introduction to Data Science in Python by the University of Michigan, Coursera (May 2021)

Data Analysis with Python by IBM, Coursera (April 2021)

An Intuitive Introduction to Probability by the University of Zurich, Coursera (April 2021)