

CYNTHIA CHIANG

DATA SCIENTIST

Rockville, MD | (301) 461-1400 | chiang3@gmail.com | [LinkedIn](#) | [Github](#) | [Portfolio](#)

Data scientist with an extensive biomedical background. Accustomed to understanding complex disease processes and utilizing contextual information to determine diagnostic testing, I apply data science in innovative ways to uncover new insights to solve challenging problems.

SKILLS

- Python
- SQL
- NumPy
- Data Visualization
- Statistical Analysis
- Matplotlib
- Pandas
- NLP
- Scikit-learn
- Data Cleaning
- Web Scraping
- Git

EXPERIENCE

Data Science Immersive | General Assembly | Washington, DC | Mar 2020 – Jun 2020

Completed 500 hours of training over a 12 week period in data analysis, machine learning, and statistical modeling with real world applications in the form of various projects:

- **Video Game Recommender:** Allows the user to input any PC game released within the last 10 years and returns ten most similar games with links to the online store. Game description and details were either scraped from Metacritic using BeautifulSoup or pulled from the RAWG API and preprocessed using natural language processing. Similarity was then calculated based on description and genre using pairwise distances.
- **COVID Search Engine:** In collaboration with two fellow data scientists and New Light Technologies, organized over 60K coronavirus-related journal articles by keyword and topic using Gensim's Doc2Vec and LDA models. Used Streamlit to create an application for ease of use in searching for articles.
- **Housing Price Predictor:** Predicted housing prices in Ames, IA using a linear regression model. Feature engineering, hypothesis testing, and log transformation were utilized to improve the model and achieve an R2 score of 87%.

Medical Assistant | Jeffrey Y. H. Chung, LLC | Laurel, MD | Jul 2015 – Jan 2020

- Assisted with intravitreal injections and outpatient procedures to ensure quality care and successful treatment
- Prepared patients for doctor examination by taking down their medical history, checking their vision and eye pressure, and dilating their pupils in addition to performing any essential and routine diagnostic tests
- Provided seamless patient experience for over 25 patients daily from check-in to routine care delivery as well as interfacing with external pharmacies, clinics, and insurance companies on behalf of the clinic
- Oversaw and managed training of 4 new medical assistants in an effort to maximize productivity, workflow, and preparedness for emergency situations
- Rewrote patient scheduling guidelines to improve the efficiency of clinic workflow

EDUCATION

M.S. in Physiology & Biophysics | Georgetown University | Washington, DC | Aug 2020 | GPA: 4.0

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B. S. in Biological Sciences | University of Maryland | College Park, MD | May 2015