

Adam Lim

www.adamlim.me | adam@adamlim.me

EDUCATION

THE UNIVERSITY OF CHICAGO, Chicago, IL 2020 - Present
Master of Science – Computer Science

NORTHWESTERN UNIVERSITY, Evanston, IL March 2017
Bachelor of Science – Industrial Engineering
Minor – Economics
Kellogg Certificate Program for Undergraduates – Managerial Analytics

EXPERIENCE

SYNCHRONY FINANCIAL, Chicago, IL / Stamford, CT July 2017 - Present
AVP, Lead Fraud Data Scientist (March 2022 – Present)
AVP, Data Scientist (July 2019 – March 2022)
Data Scientist – Business Leadership Program (July 2017 – July 2019)

- Lead development, validation, and implementation of fraud detection and underwriting ML models; manage stakeholders across Analytics, Technology, Credit, and Model-Risk functions
- Served as PM for creation of a consumer fraud feature store, partnering with data engineering teams to produce and expose 300+ derived features for use by data scientists
- Developed Python library building upon the PySpark API to automate and standardize common methods and profiling techniques in the model development pipeline, enhancing development speed and collaboration among data scientists
- Using Scala, developed distributed implementation of Synthetic Minority Oversampling Technique (SMOTE) to enable treatment of imbalanced datasets natively in Spark
- Won first place in company-wide, Kaggle-style data science competition to predict customer calls, beating out over 100 competitors by using an ensemble modeling technique to achieve top-ranked MSE
- Member of Synchrony's Campus Recruiting team; serve as mentor to junior data scientists

SYNCHRONY FINANCIAL, Chicago, IL June 2016 - August 2016
Data Science Intern – Business Leadership Program

- Constructed predictive model for call routing leading to an estimated annual savings of \$10.1 MM in operating expense
- Utilized tools such as Spark and Hive to manipulate large datasets in excess of 5 TB

GRAINGER INDUSTRIAL SUPPLY, Chicago, IL June 2015 - August 2015
Technical Product Manager Intern

- Used analytical skills to drive direction of eCommerce development for agile team
- Increased mobile app's barcode scanner success rate 138% via implementation of error handling
- Utilized Adobe Analytics to track conversion metrics and prioritize areas of redesign within Order History and Required Accessories pages of Grainger.com; presented redesign proposals to management team

UNITED AIRLINES, Chicago, IL January 2015 - June 2015
Industrial Engineering Intern – Continuous Improvement and Enterprise Optimization

- Implemented new checked bag routing method at EWR (Newark, NJ) to minimize staffing needs
- Built multiple Excel VBA based tools including: Boeing 757 Boarding Simulation Input Generator, Suggested Staffing Tool, Batch Running Tool, and Short Term Planning Tool Dashboard Summary

SKILLS AND INTERESTS

Technical: Python, SQL, Spark, Git, HTML/CSS, C++, Scala

Multimedia: Adobe Photoshop, Adobe Premiere

Interests: Marathon-running, skiing, biking, soccer, baseball, graphic design