

Education

- Aug 2021 - Aug 2024 **MS, Analytics**
Georgia Institute of Technology | Online
Modeling | Simulation | Survey of Machine Learning Methods
- Aug 2016 - May 2020 **BS, Urban and Regional Planning, Minor in Economics**
Texas A&M University | College Station, TX
Phi Kappa Phi Honors Society | Gathright Scholar | Dean's List Recipient
Aggie Research Scholar: Forecasting Home Values after Hurricane Florence

Work Experience

Fannie Mae | Washington, DC

- May 2023 - Present **Senior Data Scientist**
Models and researches data from Desktop Underwriter, one of America's leading mortgage underwriting engines. Makes direct contributions to modeling and analytics which determine approval for millions of mortgage applications annually. Works with linear, logistic, and tree-based modeling approaches regularly.
- Serves in a leadership role for an internal continuing education program (APEX) teaching programming, statistics, and data visualization skills. Coaches instructors to develop and refine technical course material.
- Develops and maintains Docker images supporting GitHub Copilot, R packages, and technical documentation systems for Fannie Mae analysts. Maintains internal R package to help analysts securely connect to and leverage Fannie Mae data sources. Contributes to open source projects.
- Sep 2021 - May 2023 **Data Scientist**
Researched and developed credit risk models used within Desktop Underwriter. Independently wrote internal white paper on production model. Developed and taught courses on programming and project design internally.
- Jun 2020 - Sep 2021 **Data Analyst**
Participated in a 12 week full time training in SQL, R, and Python. Onboarded to the DU Research Team. Taught course on functional programming to new hires.

Cedar Frame | College Station, TX

- Jan 2020 - May 2020 **Project Management Intern**
Developed land value forecasts using Python and Facebook Prophet. Stress tested forecasts under different economic assumptions.

Masterplan | Dallas, TX

- Aug 2019 - Dec 2019 **Development Intern**
Worked closely with government agencies and land developers to help secure building permits. Developed presentations and 3D models of site plans.

Fannie Mae | Plano, TX

- Jun 2019 - Aug 2019 **Business Analyst Intern - Chief Operating Office**
Wrote scripts which automated data transformation tasks in Python. Generated challenger cash balance forecasts.

Personal Website
chrisjameswalker.com

GitHub
@walkerjameschris

Interests

- Data Science
- Economics
- Finance
- Mortgage Lending
- Real Estate
- Affordable Housing
- Risk Management
- Solving Problems