

Amanda Price

PROFILE

Doctoral student attending Massachusetts Institute of Technology (MIT) with extensive experience in research at the intersection of biomedical engineering and data science. Develops computational models and machine learning algorithms to drive innovation in medical technology. Utilizes Python to manipulate and analyze complex datasets for research projects.

PROFESSIONAL EXPERIENCE

GRADUATE RESEARCH ASSISTANT, MASSACHUSETTS INSTITUTE OF TECHNOLOGY, CAMBRIDGE, MA

September 2021 – present

- Lead research projects aimed at developing a computational model to predict the efficacy of targeted cancer therapies
- Implement machine learning algorithms to analyze large-scale biomedical datasets, which led to a 20% improvement in prediction accuracy
- Collaborate with cross-disciplinary research teams to conduct experiments that integrate engineering and biomedical insights

RESEARCH ASSOCIATE, BIOGEN SOLUTIONS, SAN FRANCISCO, CA

June 2017 – August 2021

- Compiled over 5,000 genomic sequences to identify patterns associated with accelerated drug resistance in bacteria
- Generated comprehensive reports of research findings for stakeholder meetings
- Implemented automated scripts to enhance the efficiency and accuracy of genetic data analysis, reducing processing time by 30%
- Supported senior researchers in the development of an internal web application designed to streamline genetic data analysis and visualization

CONTACT

(123) 456-7890

email@example.com

LinkedIn | Portfolio

City, State Abbreviation Zip Code

EDUCATION

Doctor of Philosophy (Ph.D.) Biomedical Engineering

Expected: May 2025

Massachusetts Institute of Technology, Cambridge, MA

Bachelor of Science (B.S.) Data Science

September 2017 – June 2021

University of Illinois at Urbana-Champaign, Urbana, IL

CERTIFICATIONS

Machine Learning Certified, 2022

SKILLS

Computational modeling

Cross-disciplinary collaboration

Genomic data analysis