**The CCB Business Modeling Center of Excellence** is a team of data scientists focused on quantitative modeling for marketing, finance and operations. The team answers complex and unique questions, utilizing cutting edge quantitative and computational techniques and leveraging one of the world’s largest repositories of consumer data. The Applied AI team is an highly technical unit within the org of Business Modeling, specialized in providing computational solutions to internal quantitative stakeholders for achieving better machine learning efficiency such as Auto-ML, ML explainability, process optimization, and task-planning.

**Responsibilities:**

In this role, you will research and develop AI / ML applications to accelerate the innovation and efficiency in business modeling across the Finance organization at JPMorgan Chase. Your duties will include:

- Research cutting-edge ML/AI methodologies and able to quickly prototype to prove concept to business stakeholders
- Lead the new ML initiatives to enhance JPMorgan Chase’s modeling ecosystem
- Communicating results across audiences throughout JPMorgan Chase
- Actively contributing to the continuous learning mindset of the organization by bringing in new ideas and perspectives that stretch the thinking of the group

Examples of projects that you could be working on include:

- Model-based automatic machine learning
- Machine Learning Explainability for risk control
- Scalable Machine Learning / Big data framework
- Agent task-planning for operation automation
- ML product management

**Qualifications:**

- Candidates should have a PhD/MS in a quantitative/engineering field of study, such as computer science, data science, statistics, applied math, and a sound foundation in one or more of the following technical disciplines:
- Strong machine learning theory foundation and end-to-end machine learning development experience (specialty in NLP, computer vision, reinforcement learning is a plus)
- Strong programming / development skills in Python or R or Scala (Theoretical knowledge in computer runtime efficiency is a plus)
- Proficient in big data processing with tools like Spark \ Hadoop and Unix operation system
- Experienced in hosting / maintaining ML applications (Knowledge in container service is a plus)
- In addition, good candidate should have be deeply curious and highly motivated, and be able to effectively communicate complex concept with non-technical stakeholders.
- No requirement on previous financial industry experience.
About Us

Chase is a leading financial services firm, helping nearly half of America’s households and small businesses achieve their financial goals through a broad range of financial products. Our mission is to create engaged, lifelong relationships and put our customers at the heart of everything we do. We also help small businesses, nonprofits and cities grow, delivering solutions to solve all their financial needs.

We recognize that our people are our strength and the diverse talents they bring to our global workforce are directly linked to our success. We are an equal opportunity employer and place a high value on diversity and inclusion at our company. We do not discriminate on the basis of any protected attribute, including race, religion, color, national origin, gender, sexual orientation, gender identity, gender expression, age, marital or veteran status, pregnancy or disability, or any other basis protected under applicable law. In accordance with applicable law, we make reasonable accommodations for applicants’ and employees’ religious practices and beliefs, as well as any mental health or physical disability needs.

Equal Opportunity Employer/Disability/Veterans

About the Team

Our Consumer & Community Banking division serves our Chase customers through a range of financial services, including personal banking, credit cards, mortgages, auto financing, investment advice, small business loans and payment processing. We’re proud to lead the U.S. in credit card sales and deposit growth and have the most-used digital solutions – all while ranking first in customer satisfaction.

The CCB Data & Analytics team responsibly leverages data across Chase to build competitive advantages for the businesses while providing value and protection for customers. The team encompasses a variety of disciplines from data governance and strategy to reporting, data science and machine learning. We have a strong partnership with Technology, which provides cutting edge data and analytics infrastructure. The team powers Chase with insights to create the best customer and business outcomes.