

CYRUS BLANKINSHIP

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ABOUT

Passionate about improving quality of urban life and design through the application of data science and spatial analysis. Skills include:

- Project Management
- Machine Learning
- Data Analysis & Visualization
- Full Stack Web Development

TECHNICAL SKILLS

Python, pySpark, JavaScript, React/Node, PostgreSQL, SQL, ArcGIS, CityEngine, Rhinoceros, Adobe Suite

EDUCATION

NYU (Graduating July 2019)

- MS in Applied Urban Data Science
- Civic Analytics Fellow, Marron Institute
- President of the Applied Urban Science Group

UC Berkeley (2010-2014)

- BA in Architecture with minors in Sustainable Design and GIS
- GPA in major of 3.75 (with honors)

EXPERIENCE

Marron Institute | Civic Analytics Fellow October 2018-Current

- Partnered with [FDNY through Google's Impact AI Challenge](#) to utilize artificial intelligence and machine learning models to understand and improve emergency response times for the 1.5 million emergencies each year.
- Developed [single page application](#) for NYC Mayor's Office of Sustainability with React Native Framework.
 - App visualizes the energy, water, and greenhouse gas usage for every building within NY city limits (~22.5 thousand buildings over 10k sq. ft).
- Streamlined methodology to track pedestrian flow using Wi-Fi probe data.

Urban Design Forum | Forefront Fellow May 2019-Current

- 1 of 20 individuals selected for the [Forefront Fellowship](#) through the Urban Design Forum.
- This year's theme explores how urban practitioners can advance climate justice principles across New York City.
- In partnership with the Mayor's Office of Resiliency, Fellows will survey neighborhoods, study buildings, interview local and international stakeholders, and produce creative research on mitigating heat.

CBRE | Product Manager & Full Stack Web Developer March 2016-August 2018

- Managed [3D mapping system](#) for Manhattan office through modelling, script automation, database management, and general research.
 - System allows users to query and create custom 3D maps utilizing CBRE's proprietary CRE database.
- Reduced graphic design workflow by 75% through script automation, saving the company 30,000+ hours annually.
- Developed 10+ [web-based applications](#) for 3D data visualization and site selection.
- Built and refined 3D models of new markets (e.g. Los Angeles, Indianapolis, Seattle, St. Louis) through geospatial and procedural modeling techniques.
- Performed retail & [office real estate analyses](#) (20+/month) and managed national project rollouts.

Apex Systems @ Apple Inc | GIS Analyst September 2014-December 2015

- Developed transit capabilities for Apple Maps, which was released to critical acclaim in the summer of 2015.
 - Role included data management, project development, documentation and digitization.
- Created intricate workflow to validate new content, reducing QA process by 80%.

Kearney Research Center | GIS Analyst February 2014-July 2014

- Led digitization efforts for research locating citrus fields in Riverside County, which may be affected by the Asian Citrus Psyllid.
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