

ARI RIGGINS

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TECHNICAL SKILLS

Python Java C C# JavaScript Next.js UI/UX

HTML CSS Figma Unity 3D Data Visualization

Adobe Illustrator MatLab Intermediate Spanish ArcGIS

EXPERIENCE

TigerMap Web App

Web Design Team

- ★ Worked and collaborated on both front and back-end to Develop a web app to enable Princeton students to interactively navigate buildings and locate desired rooms on campus.
- ★ Routed between the map of buildings to different floors allowing for room number search, and clickable navigation using JavaScript and Python.
- ★ Created database using MongoDB by taking information from the university registrar; queried this database to display class schedules.

VR REU @ CUNY Hunter College

Research Intern

- ★ Created an augmented reality visualization and deployed it as an ios application.
- ★ Investigated the impact of different visualization methods using Unity 3D (ARKit) and C# scripting.
- ★ Worked under the mentorship of Dr. Courtney Cogburn, director of the Cogburn Research group at Columbia University.

Trend REU @ University of Maryland

Research Intern

- ★ Completed the Training and Research Experience in Nonlinear Dynamics at the Institute for Research in Electronic & Applied Physics.
- ★ Mapped large data sets containing e-scooter trip origin and destinations by geographical breakdown of census blocks using MatLab.
- ★ Mapped future e-scooter trips using research groups' predictive methods for estimation.
- ★ Received award for third best project overall.
- ★ Published paper in IEEE can be viewed here: <https://ieeexplore.ieee.org/document/9905516>

Ida B. Wells Just Data Lab

Research associate

- ★ Developed a numerical rating scale for AI and Algorithms policies.
- ★ Analyzed data and created an interactive geographical map of the United States displaying this policy data using ArcGIS.

3D Mini Golf Three.js Game

Game development team

- ★ Collaborated with team to make mini golf web app found here: <https://atanastenev.github.io/3dgolf/>
- ★ Project Write-up can be found here: <https://github.com/atanastenev/3dgolf/blob/main/Wri%20teUp.pdf>

EDUCATION

Princeton University, Princeton, NJ | expected graduation: May 2023 | A.B. degree

Major: Computer Science | Minor: Visual Arts
GPA: 3.5

The Key School, Annapolis, MD | graduation May 2019

Rhode Island School of Design, Providence, RI | Young Artist: Art School Certificate (2015-2019) 108 contact hours

COURSEWORK

Senior Thesis Project

Augmented Reality Research Study

- ★ Currently working to create an augmented reality gallery show by way of a mobile app using Unity.
- ★ Working to give users both a virtual and physical experience of sculpture and the gallery space.

Independent Research

Data Visualization Project

- ★ Completed a self-driven research project into the creative and animated visualization of data on racial and gender media representation.
- ★ Scraped input data from TikTok to generate datasets.
- ★ Webpage with resulting visualizations can be found here: <https://aririggins.github.io/index2>