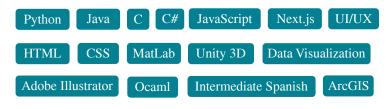# Ari Riggins

https://ari-riggins-portfolio.vercel.app/ | (202)-306-9821 | ariggins@princeton.edu | https://github.com/aririggins

Technical Skills

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

`HTML` `CSS` `MatLab` `Unity 3D` `Data Visualization`

`Adobe Illustrator` `Ocaml` `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/WriteUp.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