

Brookelynn Constant

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Geospatial Analyst and Programmer in St. Louis, MO

I care about creating tools that help people make decisions and derive unique insights into their personally curated data using maps and spatial awareness.

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GITHUB <https://github.com/bmconstant16> | **LINKEDIN** <https://bit.ly/30ZExhA>

PROJECT EXPERIENCE

Travel Event Planner — LaunchCode Capstone

- Designed MVP website for planning and organizing unique travel itineraries.
- Implemented full stack development using Java, Thymeleaf, MySQL/postgreSQL, and Hibernate.

Destination Unknown — Penn State Capstone

- Conducted interactive user design evaluation for web-based spatial planning with more than 50 survey respondents.
- Presented research findings and preferences to more than 50 developers at annual Free and Open Source for Geospatial (FOSS4G) Developers conference in Bucharest, Romania.
- <https://destinationunknown.io/app/welcome>

WORK EXPERIENCE

Senior Geospatial Analyst — National Geospatial-Intelligence Agency, St Louis MO

Jul 2010 - Present

- Task, analyze, and conduct multi-INT research to provide quick- and long-term intelligence products to in support of national security goals and strategies
- Lead agency-wide analytic modernization and develop project integration for over 50 analysts, establish processes to advocate for data-centric solutions with db developers, data scientists, and computer vision experts.

Grading Assistant, Introduction to Spatial Analysis — Penn State, World Campus Online

Jul 2016 - Aug 2017

- Independently graded and evaluated assignments for accuracy, creativity, and demonstration of GIS skills.
- Provided mentorship and guidance to students new to spatial analysis.

EDUCATION

LaunchCode, LC101 Programming Course — 2020

Penn State, BS, Geographic Information Systems — 2019

Christopher Newport, BA, Political Science — 2010

SKILLS

PROGRAMMING LANGUAGES

- Java
- Python
- JavaScript
- HTML5/CSS3

FRAMEWORKS

- Hibernate
- AngularJS
- Spring

DATABASES

- MySQL
- postgresSQL

TOOLS

- IntelliJ
- VisualBasic
- PyCharm

SELECTED LEARNING & ENGAGEMENTS

Intro to Cloud Server and GIS use of cloud GIS services AWS EC2, ArcGIS Online, CARTO

Breach Advisory Board Member volunteer GIS & tech consulting for K-12 curriculum development coaching