

## PERSONAL INFORMATION

## Christopher LeMatty

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## WORK EXPERIENCE

08/2016–Present

## Geographic Information Systems Specialist III

Union County Division of Engineering, Scotch Plains (United States)

[www.ucnj.org](http://www.ucnj.org)

- Manage the geographic data of the county, implementing and updating data into GIS
- Create custom web applications for internal use in GIS data visualization
- Develop, edit, and debug python scripts to automate workflows
- Use data manipulation tools, geocoding, and run analysis with ArcToolbox
- Georeference and convert existing paper maps, PDFs, and other images over orthographic imagery
- Design custom maps for the County of Union
- Build, update, and maintain Personal and File Geodatabases

05/2016–08/2016

## Geographic Information Systems Specialist Intern

ALK Technologies, Princeton, NJ (United States)

[www.alk.com](http://www.alk.com)

- Extensive use of QGIS and plug-ins to digitize, create new Points of Interest (POIs), update and manage GIS data
- Manage and upkeep of existing Geodatabases

## EDUCATION AND TRAINING

12/2016–Present

## Associate in Science, Computer Science

Union County College

1033 Springfield Ave., Cranford, NJ 07016 (United States)

[www.ucc.edu](http://www.ucc.edu)

Building core prerequisites for entrance into a Masters program in Computer Science. The curriculum focuses on programming, databases, algorithms, mathematics, and other deep knowledge areas of the Computer Science discipline.

06/2017–07/2017

## Web Development, Certificate of Completion

Pratt Institute

144 W. 14th St., New York City, NY 10011 (United States)

[www.pratt.edu](http://www.pratt.edu)

Web Development class for professional development in web programming.

05/2010–05/2012

## Bachelors of Science, Geography (GIS)

University of Utah

201 Presidents Circle, Salt Lake City, UT 84112 (United States)

[www.utah.edu](http://www.utah.edu)

Graduated from the University of Utah with Bachelor's of Science in Geography with a focus on Geographic Information Systems (GIS).

## Relevant classes:

- Geographic Analysis
- Introduction to Geographic Information Systems
- Introduction to Geographic Data
- Cartography

08/2006–08/2010

## Associate in Arts, Social Science

Brookdale Community College  
765 Newman Springs Road, Lincroft, NJ 07738 (United States)  
[www.brookdalecc.edu](http://www.brookdalecc.edu)

## PERSONAL SKILLS

Mother tongue(s) English

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
Spanish	C1	C1	B2	B2	C1

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user  
Common European Framework of Reference for Languages

Digital competence

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
Proficient user	Proficient user	Proficient user	Proficient user	Proficient user

Digital competences - Self-assessment grid

## Software

- ArcGIS Suite (ArcGIS Online, ArcMap, ArcCatalog, Survey123, Web AppBuilder)
- QGIS
- OpenStreetMap
- Microsoft Office

## Programming/Query Languages

- Python 2.7 & 3.6
- HTML/CSS
- SQL
- Java

## Text editors/IDEs

- Atom
- Eclipse
- Sublime Text 3
- IDLE

Professional coding experience with Python, HTML/CSS, Java, and SQL.

Develop web applications, automate tedious processes, and integrate Python libraries and tools to manipulate data.