

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, NJ, USA

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 Informations Systems Specialist

ALK Technologies, Princeton, NJ, USA

<https://www.alk.com/>

EDUCATION AND TRAINING

12/2016–Present

Associate in Science, Computer Science

Union County College

1033 Springfield Ave., 07016 Cranford, NJ, USA

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.

05/2010–05/2012

Bachelors of Science, Geography

University of Utah

201 Presidents Circle, 84112 Salt Lake City, UT, USA

www.utah.edu

Relevant classes:

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

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

08/2006–08/2010

Associate in Arts, Social Science

Brookdale Community College
765 Newman Springs Road, 07738 Lincroft, NJ, USA
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.