

Kalynn Kosyka

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Education

SMITH COLLEGE

- 1 Chapin Way, Northampton, MA 01063
- Senior, Expected Graduation: May 2019
- Majors: Computer Science & Statistical Data Sciences
- Current GPA: 3.87 (May 2018), Dean's List 2016-2018
- Clubs: Smithies in CS, Smith College Ceramics Club, President of Smith College Cycling Club, and University of Massachusetts Amherst Cycling

Experience

GEOPROGRAMMER/OCIP: SPATIAL ANALYSIS LAB | SMITH COLLEGE | SPRING 2016 – CURRENT

- Work-study at Smith College, Northampton, MA
- Assist Jon Caris, director of Spatial Analysis Lab at Smith College relating to creating applications that solve day to day problems or visualize geographic phenomenon to help share with public.

TECHNOLOGY DEVELOPMENT INTERN | UNITEDHEALTH GROUP/OPTUM | SUMMER 2018

- Basking Ridge, NJ
- Collaborated with full time and interns to replace nightly batch processes and transform them into near real-time streaming processes with Kafka Streams, Elasticsearch, SQL, and Java.

CYBERHEALTHGIS | TEXAS A&M UNIVERSITY | SUMMER 2017

- Research Experience for Undergraduates (REU) supported by the US National Science Foundation (NSF Project# 1560106).
- A 10-week research program for undergraduate students interested in technology, geography, and health.
- Collaborated with faculty and graduate students in computer science defining, conducting, and presenting research projects. Researched how to detect road surface through cycling using wearable devices (Android and Pebble Watch) and machine learning tree algorithms.

MENTORSHIP | NEW YORK STATE PSYCHIATRY INSTITUTE – COLUMBIA UNIVERSITY | SUMMER 2016

- New York, NY
- Mentorship with Spiro Pantazatos, guided through coding to learn and be exposed to programs that involved neuroimaging and analysis. Using Python and Nipype to manipulate MRIs and analysis - fMRIs using FSL and SPM.

Projects

DRONE IMAGE DIRECTORY | SPRING 2018

- Application will allow Smith College's Spatial Analysis Lab to display their drone images attributes, path, and location on campus.
- <https://github.com/kkosyka/DroneImageDirectory>

CAMPUS DIRECTORY MAP | FALL 2017

- Application will allow user to query from Smith College's directory & be directed to a page that contains a visualization of the location of members throughout Smith (i.e. mapping people's campus addresses).
- <https://github.com/kkosyka/CampusDirectoryMap>

SMITH COLLEGE MOBILE DINING MENU APPLICATION | FALL 2017

- Application will allow Smith College students to view the menu offered at each dining hall. Menu extracted from college's menu page via web scraping. Personal project to delve into mobile application and get an enormous learning experience.
- <https://github.com/kkosyka/Smith-College-Dining-Menu-App>

DRONEGALLERY | SPRING 2017

- A tool to display drone flights done by Spatial Analysis Lab of Smith College under Jon Caris. Created an interface for users to view drone images on an interactive map and displays data (name, date, coordinates, and description) via GeoServer (.TIF) and local JSON.
- <https://github.com/kkosyka/DroneGallery>