

ALANA SUMIN KIM [uh-lay-na]

Master of City Planning candidate at PennDesign connecting dots between **Digital Geographies & Community Economic Development**.

Highly experienced in **government or nonprofit client-based project environment**, and passionate about honing skills in **spatial analysis, data management and visualization** to take part in building **open and democratic data economy, inspire insights, and demonstrate smarter ways to build cities**.

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SKILLS

GIS + SPATIAL ANALYSIS

• ArcGIS Desktop • R • GeoDa • QGIS

WEB DEVELOPMENT

• HTML + CSS + JavaScript • Git • Leaflet
• MapboxGL • D3

DATA MANAGEMENT + VISUALIZATION

• T-SQL • Pandas/Python • Jupyter
• Arduino • Processing
• Adobe Creative Suite

LANGUAGES

• English • Korean • Mandarin Chinese

EDUCATION

MASTER OF CITY PLANNING, 05/2018

- School of Design | Univ. of Pennsylvania
+ Community Economic Development
+ Smart Cities

BACHELOR OF ARTS, Honors

- University of Washington, '09 - '14
+ International Studies + Geography
+ Mary Gates Research Scholar
- Sichuan University, Study Abroad, '11 - '12



GIS + PLANNING CLIENT PROJECTS

● ARDUINO CODER + CIRCUITRY LEAD

Illuminate: Malcom X Park Placemaking **SPRING '17**
• Engineered a Arduino-run prototype of a smart lighting system that responds to human activities at the park in real time • Programmed functionalities using C and movement/light sensors • Published in 2018 PennPlanning Panorama journal

● GRAPHIC LEAD

Studio: Sustainable Reading, PA | UPenn **Spring '17**
• Facilitated collaborative design process to strengthen graphic visualizations of the plan narrative • Designed layout templates and globally edited presentations, boards, and book formats with strong attention to detail • The Plan won 2017 APA John Pickett Memorial Scholarship

● TEAM LEAD + GIS DATABASE BUILDER

Undergrad GIS Capstone | UW **Spring '14**
Client: UW Green Futures Research + Design Lab
• Delivered a GIS database of feature datasets for the regional open space strategic plan, along with visualizations and scrupulously maintained metadata • Responded to the client's ask for data quality and integrity with rigorous data inventory control • Facilitated weekly meetings with the client to assess data need and report progress

● SPATIAL RESEARCHER

UW China Village Planning + Design Studio **Summer '11 & '13**
Client: Fuzhou Provincial Gov. & Changsha Planning Dept.
• Prepared master plans for rural villages outside Chengdu and presented them to the planning bureau • Trained participating local students on field survey and GPS data collection using Juno Trimble • Enriched analyses with manually collected spatial datasets to draft culturally sensible redevelopment master plans

SELECT WORK EXPERIENCE

● POLICY SOLUTIONS INTERN

Policy Solutions at The Reinvestment Fund **May - Aug '18**
• Obtained and processed datasets for 2018 Early Childhood Education Analytics updates • Demonstrated high motivation to learn Transact-SQL to further engage in research process • Successfully developed a query to streamline and expedite data validation process for Limited Supermarket Access update

● MAP DATA + CONTENT TECH

Point Inside, Inc. **Aug '14 - Jun '15**
• Created and updated digital indoor map contents, feeding to data delivery pipeline for shopping engagement app
• Analyzed team productivity measures and fortified QA guidelines accordingly as tasked • Trained new hires on software usage, production, debugging, and QA/QC standards

ASSOCIATIONS

Class Representative, Student Planning Association
Member, American Planning Association
Member - in exile Cascadian Users of Geospatial Open Source/
OpenStreetMapSeattle / MapTimeSeattle