

Experienced in design, data analysis, and communication with 9 years of advocacy, dual bachelor's degrees, and 4 professional experiences, I work toward sustainable, equitable cities through transportation and land use.

EDUCATION

The Pennsylvania State University, Schreyer Honors College University Park, PA **May 2021**
Bachelor of Architecture, Stuckeman School of Architecture **GPA: 3.98 / 4.00**
Bachelor of Science in Community, Environment, and Development *summa cum laude*

RELEVANT PLANNING EXPERIENCE

Williamsburg Comprehensive Plan, Blair County Planning Agency **Williamsburg, PA**
Comprehensive Planning Intern *May 2020 - October 2020*

- Researched rail-trail case, applied findings in [trail town report](#), [📄](#) recruited to build comprehensive plan
- Analyzed historical documents, GIS data, and site visits to propose transport and development projects
- Troubleshot virtual and socially distanced public input in a town with limited internet access

Summers On Allen Pedestrianized Street Event **State College, PA**
Logistics Intern *January 2020 - March 2020*

- Developed plans for deliveries, parades, and events to coexist on a pedestrianized street downtown
- Communicated with community groups to organize daily events for an 8-week trial of the pedestrianization

Michael Baker International, Transportation and Planning Consulting Firm **Harrisburg, PA**
Planning Intern *May 2017 - August 2018*

- Generated GIS databases with thousands of objects, created [20 final maps](#); [📄](#) compiled and analyzed data
- Collected feedback at 2 open house meetings and 6 stakeholder work sessions, synthesized onto [maps](#) [📄](#)
- Drafted, edited planning documents; synthesized stakeholder feedback; [sign ordinance design guide](#) [📄](#)
- Contributed to transit, active transportation, comprehensive planning, and landscape architecture projects

Centre Area Transportation Authority; Centre Regional Planning Agency **State College, PA**
Transit Planning Intern *June 2016 - August 2016*

- Redesigned [7 system maps](#) [📄](#) based on frequency with condensed overview of headways
- Surveyed 31 transit operators to determine optimal system of route nomenclature, synthesized into [report](#) [📄](#)
- Designed four service change advisory publications to explain annual service changes

ADVOCACY & PUBLICATIONS

Transportation Commission Vice Chair; Municipal Meeting Public Comments [📄](#) **State College, PA**
Advocate for density, mixed uses, walkability, transit, and thoughtful architecture *December 2012 - present*

Northland Transit-Oriented Redevelopment Parametric Proposal [📄](#) **State College, PA**
• Visualized and detailed steps toward mixed-use neighborhood replacing strip malls *August 2021 - present*
• Made using my [parametric zoning visualization and decision-making tool](#) [📄](#)

CATABus Operations Improvement Report [📄](#) **State College, PA**
• Strategized speeding travel: network changes, proof-of-payment, and bus lanes *June 2018 - August 2019*
• Specified implementation strategies for community partnerships and new system maps

RECOGNITION & LEADERSHIP

Architecture Class Representative advocate, student tours, hiring committee, juror *August 2016 - May 2021*
Assistant Director, PSU Digital Beehive Tutoring [📄](#) Creative Cloud, Rhino, more *April 2020 - May 2021*
Erickson Discovery Research Grant: International Transit Operations *May - December 2019*
Hajjar Design Competition, [📄](#) Second Place, Stuckeman School of Architecture *January 2019*
Corbelletti Design Competition, [📄](#) Second Place; Honorable Mention, Stuckeman School *August 2018; 2017*
First-Year Design Excellence Award, Stuckeman School of Architecture *April 2017*
Eagle Scout: Led construction of [70-foot boardwalk](#), [📄](#) Redesigned [Scout Camp's website](#) [📄](#) *2004 - present*

RELEVANT SKILLS

Mapping ArcGIS [📄](#) | Google Earth | Remix | IMPLAN **Modeling** Revit | AutoCAD | Rhino [📄](#) | SketchUp [📄](#)
Post processing/Editing Lumion | Photoshop | Illustrator [📄](#) | InDesign | Inkscape | iMovie | Premiere
Code/Web HTML | CSS | Python | Java | KML [📄](#) | Excel VBA | Wordpress | Automator | Grasshopper [📄](#)

For most recent portfolio projects and up-to-date resume visit [jamesgraef.com](#)