



# Benjamin Lodi

Salem, SC  
brlodi@gmail.com  
(610) 613-2168  
benjaminlodi.com

## Professional Experience

### University of Chicago **Software Engineering Intern**

Chicago, IL May–Sep 2017, Apr–Aug 2018

Contributed to Plenario, an API service for processing and querying Open Data across multiple datasets/formats, including the massive volume of real-time data from UChicago's Array of Things project.

- 2017:
  - Worked on existing Ember.js map-based data explorer app, including implementing a full unit/integration test suite
  - Prototyped a full redesign—based on user testing methodologies—to streamline new user experience and highlight availability of new Array of Things nodes
- 2018:
  - Assisted with migration from Python/Flask stack with Ember.js frontend → Elixir/Phoenix stack with Vue.js frontend
  - Wrote documentation for API and public repositories
  - Refined full stack tests and optimized CI pipeline to reduce build times from ~45 minutes to under 90 seconds

### Frutiger Company AG **Advertising Contractor**

Remote (client in Winterthur, Switzerland) January 2012–April 2017

Primary producer of North American marketing material for a Swiss construction/public works equipment manufacturer.

- Produced graphic design and text copy for print ads in industry magazines and first-party press releases
- Designed and managed email marketing campaigns targeting trade-show leads and existing customers

## Education

### University of Pittsburgh

Pittsburgh, PA

**BS in Computer Science *cum laude* / Minor in Linguistics**

December 2019

*Relevant Coursework:* Introduction to Computational Linguistics, Human-Computer Interaction, Software Quality Assurance, Programming Languages for Web Applications

*Extracurricular Activities:* PyLing (Python Computational Linguistics Club)

### Carnegie Mellon University

Pittsburgh, PA

**68 credits toward BS in Civil Engineering**

August 2010–December 2013

*Extracurricular Activities:* Scotch'n'Soda Theatre (served on board), Treblemakers a cappella (served on board)

## Skills

### System Environments

- macOS, Linux, other Unixes
- Comfortable on the command line
- Experience with CI/CD environments

### Languages & Frameworks

- Javascript (Node, Webpack, Ember, Vue)
- HTML/CSS (Sass, PostCSS, HTML5)
- Python (NLTK, Flask, SQLAlchemy)

### Other

- Test-driven development
- Agile/scrum/other modern processes
- Open source project management
- Conversational L2 Spanish

## Awards & Projects

### poll2mqtt [↗](#)

Node.js microservice bridging REST to MQTT

### Stationery [↗](#)

A mid-century print inspired blog theme

### Eagle Scout

December 2010

Eagle Scout Service Project of the Year

*see more at GitHub / GitLab: @brlodi*