

# Nicholas Benjamin Ornstein

[nickornstein4@gmail.com](mailto:nickornstein4@gmail.com) | +17819991579 | 54 Fairview Avenue, Watertown, MA | [LinkedIn](#)

## EXPERIENCE

---

### Bluebonnet Data

Remote

*Data and Technology Fellow*

Aug 2020 – Nov 2020, Aug 2022 – Nov 2022, Aug 2024 – Present

- Developing canvassing tools and technologies using machine learning methods for more efficient voter outreach
- Managed technology, including Deck and NGP VAN on Dem campaigns for Wisconsin Assembly and Texas State House
- Used GeoPandas in Python to identify and visualize precincts containing the most swing voters; the campaign used these maps to direct canvassing resources to reach the deciding population ([GitHub repo](#))

### Amazon Advertising

Remote & Munich, Germany

*Data Analyst, Analytics & Insights*

December 2022 - July 2024

- Developed, maintained, and automated ETL pipelines using SQL (Redshift)
- Handled insight requests in Salesforce queue, scoped projects and analyzed ad data in Python to deliver insights and recommendations to internal & external stakeholders
- Launched new reports/modules, influencing >€2.8M of revenue (\$3M), delivered new reports to sales stakeholders across Germany, France, Italy, and the UK; modules then scaled cross-vertical to hardlines, auto, etc.

### Human-Centered Ubiquitous Computing Group, LMU Munich, Informatics Dept.

Munich, Germany

*Fulbright Scholar, Research Scientist, Data Analyst*

September 2021 – September 2022

- Engineered electrical muscle stimulation systems to actuate the user's hand using an Arduino (C++) and Python
- Designed experiment to investigate electrical muscle stimulation for motor learning in the context of musical rhythms
- Presented a [workshop paper](#) at the Conference on Human Factors in Computing Systems (ACM CHI) 2022

### Bensmaia Neuroscience Lab, UChicago

Chicago, IL

*Research Scientist (15 hr/week school year, 40 hr/week summers)*

September 2018 – August 2021

- Designed models of texture perception using silicone gels, evaluated neural data in MATLAB
- Selected to present thesis results at the Society for Neuroscience 2021 Annual Meeting ([video](#))

### TechTeam, Institute of Politics, The University of Chicago

Chicago, IL

*Chair of Internal Projects, Deputy Chair of Client Relations, Projects Member*

October 2018 – June 2021

- Conducted technical consulting projects for non-profits on the South Side of Chicago
- Oversaw client communications, project leader and member recruitment, organized novel client database

### MealFlour (nutrition social enterprise)

Quetzaltenango, Guatemala

*Documentary Intern*

June 2018 – August 2018

- Authored research report on optimizing mealworm farming process
- Filmed and produced original promotion video and documentary

## SKILLS

---

**Programming Skills:** Highly proficient in Python (numpy, sklearn, matplotlib, PyTorch, pandas), SQL (Redshift), Microsoft Office (Word, Excel, PowerPoint); proficient in Tableau, C, C++, MATLAB, web-scraping, LaTeX/markup, and git (version control); experience with command line tools, NGP VAN, AWS Cloud: Sagemaker, S3, Athena, exposure to Salesforce

**Languages:** Proficiency in Spanish (B1/B2), Intermediate German (A2/B1)

## EDUCATION

---

### THE UNIVERSITY OF CHICAGO

Chicago, IL

*Bachelor of Science in Neuroscience (cum laude, with Departmental Honors): GPA: 3.83/4 (A-/A average)*

June 2021

*Minor in Media Arts and Design*

**Honors:** Fulbright Scholar (Research, Germany, 2021), Neuroscience Honors (2020), National Merit Scholar (2017)

**Relevant Coursework:** Machine Learning & Big-Data Analysis; Computer Vision; Statistical Models & Methods;

Human-Computer Interaction; Calculus I-III; Computer Systems; Computational Linguistics; Signal Analysis for

Neuroscientists; Numerical Linear Algebra; Theoretical Neuroscience & Information Theory; The Business of Nonprofits