

# Allen Zheng

allen2000zheng@gmail.com | (317)-646-2269

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## Education

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**Purdue University**, West Lafayette, IN

**Major:** Data Visualization, Web Programming & Design | **Minor:** Statistics

**GPA:** 3.44 / 4.00

**Graduation:** May 2022

## Employment

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### Undergraduate Research – Byrd Vis Lab

- Executed data visualization techniques by creating a dashboard using Python libraries (NumPy, Pandas, Matplotlib) to highlight the unequal distribution of resources and opportunity for areas in Lafayette
- Developed a website to automate data analysis processes for an undergraduate course
- Co-authored a published research paper analyzing the effectiveness of worksheets designed to introduce students to the data visualization process
  - Fall 2019 – Present

### Techpoint SOS Challenge

- Created an innovative solution to assist nonprofits in Indianapolis
- Participated on a multi-disciplinary team and mentored by industry professionals to create a solution for the challenges faced by the nonprofit industry during the COVID-19 pandemic
  - June – July 2020
- Developed a mobile app and conducted the corresponding business and market analysis to allow farmers to exchange small amounts of produce
- Received a \$5000 prize for being nominated the best agriculture industry solution in the challenge
  - June – July 2021

## Activities

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### Undergraduate Research Society of Purdue (UGRSP) Liaison

- Assist undergraduate researchers in learning about research, academic, and networking opportunities
- Lead students in professional development events involving topics such as resume writing and interviewing

### Frontiers In Education (FIE) 2020 Sweden Conference

- Developed research paper analyzing usefulness of worksheets created in helping students generate meaningful topics about research questions
- Accepted paper for virtual conference

### Hack The Future Club – Multimedia Officer

- Spearheaded the design of posters/logos for a new web/software development club at Purdue
- Collaborated with team board by interviewing for recruitment of members and development of the club

### Data Mine Learning Community

- Engaged in learning community courses, attended events/talks about big data and career development, and connected with like-minded students to work on projects in R, SQL, JavaScript

## Skills

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**Proficient:** Python | Excel | R | SQL | Tableau | HTML | CSS | Javascript | Adobe (InDesign, Illustrator)

**Experienced:** d3.js | PHP | jQuery | SAS | Java