

# Boya Zhang

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## SUMMARY

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Postgraduate of computer science and data science with 3+ years of working across the full stack of **web & software development**, hands-on experience designing, and developing using a range of technologies and programming languages. Have a strong passion for **machine learning**.

## SKILLS

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**Programming Languages:** HTML/CSS, Javascript, PHP, Java, Python, SQL, C++, C  
**Frameworks:** Javascript (NodeJS, ReactJS, Angular, jQuery), Python (Django), Ruby (Ruby on Rails)  
**Databases:** SQL (MySQL, PostgreSQL, SQL Server, SQLite)  
**Cloud infrastructure:** AWS, Google Cloud, Azure, Heroku, DigitalOcean  
**Utilities:** Git, Unix

## EXPERIENCE

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**Web Developer Intern** Oct. 2020 – Present  
*SUNY Research Foundation Albany, NY*

- Built a full-stack website to show the energy data comparison between Erie county and NY.
- Migrated a multi-page user experience into a single page which improved page view by 10%.
- Utilized scikit-learn in Python building models to predict greenhouse gas emissions in the future.
- Analyzed and visualized geographic information data using ArcGIS
- Visualized all outcomes with Matplotlib, Seaborn, ggplot, Bokeh and Plotly to embed them into website.
- Used git for the version management.

## PROJECTS

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**Landing Page** | *HTML, CSS, Js, Node* Aug. 2020

- Developed a subscription web app using Node, React that allowed for customs to subscribe to my channel.
- Used MailChimp to manage the register's info and counted the number of visitors per month.

**Let it Off Game** | *CSS* Sep. 2020

- Mainly utilized animation property (CSS) to create a web app.

**Images Gallery** | *Flexbox* Oct. 2020

- Mainly utilized Flexbox and Bootstrap to build a webpage to show pictures.

**Internet Chat Room** | *Java* Sep. 2019

- P2P chat room based on TCP and UDP protocols
- Using Sockets and the socket API to send messages across a network

**Surakarta Game** | *C++* Jan. 2018 – May 2018

- Move generation and capture judgment design
- Search algorithm: minimum-maximum search can be evolved into Alpha-Beta pruning search
- Evaluation function design

## EDUCATION

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**Master of Science in Data Science and Analytics** Aug. 2019 – May 2021  
*State University of New York College at Buffalo Buffalo, NY*  
GPA: 3.83/4.00 Courses: Data Strategy, Geospatial Programming, AI, Database System Management

**Qualified College Student in Innovation and Entrepreneurship** July 2019  
*Berlin University of Applied Sciences Berlin, Germany*  
Courses: Management Science, International Business, Marketing Management, Entrepreneurial Studies

**Bachelor of Computer Science and Technology** Aug. 2016 – May 2019  
*Beijing Union University Beijing, China*  
GPA: 3.77/4.00 Courses: Software Engineering, Front-end Web Development, Design of Database System