

WEB APP
Professional Summary
Skills

- Java, C++, Python, JavaScript, SQL, Matlab, R, CSS, HTML
- MySQL, Git, Github, Numpy, Pandas, Tensorflow Angular, Express
- 3D, Time
- Aims, Mmanagement
- C++, Transformers
- Clustering, Web server
- CSS, Website
- Client
- Data Analysis
- Database
- Dec
- Edge
- XML
- Finance
- HTML
- Image
- Java
- JavaScript
- Machine learning
- Marketing strategy
- Market
- Materials
- Matlab
- Mechanical
- Microcomputers
- Excel
- Modeling
- MySQL
- Network
- Networks
- Oct
- Optimization
- Power supply
- Programming
- Python
- Express
- Read
- Sales
- Simulation
- SQL

Work History
09/2019 to 10/2019
Bickford Senior Living

- Implemented the backend of the web server in Java, supporting scrolling, zooming and route search.
- Rastered the map by generating a 2D array representing the image to be rendered in the query box.
- Read the dataset of locations and stored it as a graph, parsing XML files with a SAX parser, each node as an intersection, each edge a road; generated the shortest path, namely a list of nodes with the start and end point.

Web App , 09/2019 to 03/2019
Leidos Holdings Inc.

- The project aims to design a platform where customers can charge the electrical cars flexibly.
- Built a website in JavaScript to enable the users to choose customized charging schedules and receive predicted prices according to their vehicle settings.
- Implemented the client-side with Angular, the server-side with Express, deployment by Heroku, backend date/time management by Moment.js and frontend styling library by Angular Material.
- Detection of Fake Online News Oct.
- 2019 - Dec.
- 2019.
- Collected Twitter data by Web-scrape; preprocessed the data with tools (Numpy, Pandas, Sklearn and Tensorflow).
- Applied K-means clustering on the news publishers based on the numbers of likes, retweets and followers; generated credibility score as a feature of their published news.
- Implemented and compared models (GRU, LSTM) based on the priority of precision, accuracy and recall.

Electrical Engineer Intern , 06/2018 to 09/2018
Bickford Senior Living “Erie

- The project is to develop a platform where engineers lay out grids referencing the scene of a city captured by Unmanned Aerial Vehicle.
- Sourced a 3D map of the city, measured samples and constructed a model using Smart3D Capture to develop a Medium-voltage Network platform for the engineers to determine if the networks design was practical in the blocks.
- Selected the main transformers and designed an electric busbar connection according to calculated circuit currents.

06/2017 to 08/2017
University Of Manchester “Knoxville

- Leader of the Development and Pitch Team Program-end project: Led a team of five with Electrical, Mechanical, Power Engineering and Finance backgrounds to design a portable electronic device, named as Washpal, that used ultrasonic cavitation to remove small spots and blotches on clothing.

- Set up the three-dimensional model with INVENTOR, designed the mode of power supply with Altium Designer.
- Investigated demand for the components and materials, forecasted the product market in Excel by referencing sales data for a similar product; led the team to finalize the business model, such as the marketing strategy.
- Presented the model and marketing strategy in a showcase competition, ranked 5/30 as the most promising projects.

Education

M.Eng : Industrial Engineering and Operations Research University of California - City , State

GPA: 3.58

B.Eng : Electrical Engineering and Computer Science , 06/2019

Huazhong University of Science and Technology

GPA: 3.63, Awarded [Siyuan Electric Group Scholarship] (Top 10% based on academic performance and leadership

Introduction to Database Systems, Data Structures, Programming in C++, Applied Data Science with Venture Applications, Introduction to Machine learning, Principles of Microcomputers, Automatic Control Theory, Optimization Analytics, Risk Modeling, Simulation and Data Analysis : Commodity Development and Marketing Strategy , 08/2017

University of Manchester - City

Work History

Web App , 09/2019 to 03/2019

Company Name

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09/2019 to 10/2019

Company Name

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Electrical Engineer Intern , 06/2018 to 09/2018

Company Name " Middletown

- The project is to develop a platform where engineers lay out grids referencing the scene of a city captured by Unmanned Aerial Vehicle.
- Sourced a 3D map of the city, measured samples and constructed a model using Smart3D Capture to develop a Medium-voltage Network platform for the engineers to determine if the networks design was practical in the blocks.
- Selected the main transformers and designed an electric busbar connection according to calculated circuit currents.

06/2017 to 08/2017

Company Name " City

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- Set up the three-dimensional model with INVENTOR, designed the mode of power supply with Altium Designer.
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- Mmanagement, transformers, web server, website