SHIRLEY XU

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EXPERIENCE

Icahn School of Medicine at Mount Sinai, Bioinformatics Software Engineer
June 2019 - Dec 2019

- Developed a full stack web application using Python, Javascript, and React that explored gene sets for drugs and diseases, collated from public databases
- Crawled through genomic databases with over 1000 datasets using Python, extracting data to display in GMT and JSON files
- Designed and developed a full stack website that served as a comprehensive portfolio for the lab's myriad bioinformatics apps using Javascript, React, Node, Express and SQL
- Performed data analytics using Python libraries on bioinformatics data collected through various APIs

BlueMatrix, Front End Developer
July 2018 - June 2019

- Created HTML5 investment reports for clients using Javascript, Jquery, HTML, CSS, Bootstrap and XSLT 2.0
- Led migration of five clients from XSLT 1.0 to XSLT 2.0 platform, debugging errors in stylesheets and fixing styles to produce optimal viewing of reports for clients
- Developed email stylesheets for clients using HTML and CSS
- Improved lazy loading of SVG images on mobile and desktop investment reports using Jquery, eliminating lag and unclear images
- Facilitated automation of generation of XSLT stylesheets from XML
- Developed web interface for the company's blockchain initiative

General Assembly, Engineering Fellow
Jan 2018 - June 2018

- Gained proficiency in full-stack web development through completing an intensive program focused on Javascript, React, Node, Express, SQL, Ajax
- Completed four projects that exhibited fluency in fullstack Javascript

FullBeauty Brands, Web Designer
July 2017 - Jan 2018

- Developed email campaigns and web page refreshes using HTML, CSS
- Facilitated the conception, creation, development, and design of web pages

PROJECTS

PhotoSplash: xshirl-photosplash.surge.sh
- Pinterest clone that displays collated images from Unsplash API.
- Technologies: Javascript , React, HTML, CSS

Textbook Rental App: textbookapp.herokuapp.com
- Ecommerce textbook store.
- Technologies: Javascript, Node, Express, EJS, PostGreSQL, HTML, CSS

Contact Manager: shirlx-contactmanager.surge.sh
- Application that serves as address book for contacts
- Technologies: Javascript, React, HTML, CSS

SKILLS

- Javascript (ES6)
- React
- Node
- Express
- Jquery
- Python
- SQL
- PostgreSQL
- Java
- Bootstrap
- Git
- Docker
- Flask
- XML
- XSLT
- HTML
- CSS

EDUCATION

Northwestern University
BA in Biology/Chemistry
June 2016

General Assembly
Certificate of Completion
June 2018