() -> Alex Cisija

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Objected Oriented Programming, Relational Databases, Web Development, iOS App Development, Software Development.

Education

Iona College - New Rochelle, NY   May 2022

Major: BA Computer Science
Coursework: Data Structures & Algorithms, Database Management, Operating Systems, Web Design

Technical Tools

Languages: *Python, Java, JavaScript, HTML, CSS, PHP, SQL, C, C++, C#, Swift*

Tools: *Unix, React, Git, Jupyter, Qt, Mapbox, Adobe Suite, VS Code*

Work Experience

Groundwork Artist Management / Front-End Developer   Apr 2018 - Feb 2020

During these 2 years, I worked as a contract web designer and developer using the Adobe Creative Suite. My clients included Ishtar Alabina, Nikki Yanofsky, Yale University, and several local businesses.
- Increased screen size responsiveness with CSS flexbox styling.
- Created robust cross-browser parallax scrolling effects with JavaScript and CSS position properties.
- Developed Wordpress themes using PHP to make site management easier and more accessible.
- Demonstrated timely communication and expertise in translating client needs into attractive and interactive designs.

PHP, SQL, HTML, CSS, JavaScript, JQuery

Projects

Weather Forecast Model App / Full-Stack Development   Jun 2020 - Present
- Built an interactive web app for viewing various weather models.
- Utilized SciPy library for data interpolation to create smooth contours after parsing GRIB weather data.
- Increased contouring performance by a factor of 20 using Numpy and PIL libraries.
- Decreased disk usage by 20% formatting to palette images and pre-mapping values to Mercator coordinates.
- Managed a Linux OS server for collecting and serving data to the front-end.
- Analyzed big data and improved on previous algorithms for efficiency and accuracy.
- Monitored and decreased memory usage by carefully allocating and deallocating data for processing.
- Leveraged knowledge in GIS systems.

Unix, Python, HTML, CSS, JavaScript, Mapbox GL, React, Numpy, SciPy, Gdal, wgrib

The Beatles Colorization / Machine Learning   Jun 2020 - Aug 2020
- Rotoscoped and prepared thousands of frames for segmentation CNN training.
- Trained a CNN model for facial segmentation using variable epochs and learning rates.
- Mapped network classifications with corresponding colors.
- Leveraged knowledge in Mocha rotoscoping and convolutional neural networks.
- Mentored aspiring video colorizers.

Python, Adobe CC, Mocha AE, PyTorch