

John LaSala

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Education

University of Central Florida

Orlando, FL

BACHELOR OF SCIENCE IN COMPUTER SCIENCE

Jan. 2017 - PRESENT

- **Relevant Coursework:** Data Structures and Algorithms 1 & 2, Processes for Object Oriented Software Development, Parallel and Distributed Processing, Compilers, Programming Languages

Experience

Expedia Group

Austin, TX

SOFTWARE DEVELOPMENT ENGINEERING INTERN

June 2020 - August 2020

- Implemented various features to a Chrome extension debugging tool that assists dozens of developers within the Expedia Group Landing Pages team
- Used TypeScript with React for type safety to allow for safe updating and maintaining
- Created multiple different tests using Jest.js and integrated them with GitHub to allow for safer merging
- Demoed the tool to over 50 engineers, managers, and stakeholders showing how to properly use it

Skills

Languages Java, Python, JavaScript, TypeScript, SQL, C, C++, HTML, CSS

Technologies React.js, Jest.js, Git, GraphQL, Material UI, LaTeX, Microsoft Office

Projects

Sporta *React.js, JavaScript, HTML, SCSS*

- Implemented the Frontend of a full stack web application that allows users to track statistics in a variety of different sports in real time.
- Designed reusable React components for the User Interface
- Implemented React Router on several routes to allow specific components render without reloading the entire page

NBA Discord Bot *Python, HTML, CSS*

- Developed a discord bot using Discord.py that can respond to various commands
- Implemented a web scraper that scrapes data from NBA-Reference using BeautifulSoup and organizes the data using the pandas dataframe to present the user data in a clean fashion
- Constructed a website that allows visitors to add the bot to their Discord Server, displays all of the supported commands, and a link to the source code
- Hosted the webpage using GitHub Pages and the Discord Bot using Heroku so the Bot always stays online

SimpleC Compiler *C*

- Built a compiler in C that can analyze statements and commands and then translates them into LLVM Intermediate Representation Code
- Can parse and handle expressions given language/grammar specifications