Jack Wohl

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EDUCATION

University of Connecticut: Storrs, CT
Bachelor of Science, Computer Science (honors), January 2022; Bachelor of Arts, Cognitive Science, May 2021
GPA: 3.890 / 4.000
Awards: Alpha Lambda Delta Honor Society, Dean's List: Engineering (Fall 2017-Fall 2019), Holster Grant Finalist, SURF (Summer Undergraduate Research Fund) Award Recipient, Upsilon Pi Epsilon Honor Society (Fall 2020-Spring 2021), New England Scholar (Fall 2020).

SKILLS

Application Programming: Python, C/C++, Objective-C
Web Programming: JavaScript, HTML, CSS, SQL, PHP
Web Frameworks: ReactJS, VueJS, Spring
Scientific Libraries: NumPy, PsychoPy, MATLAB
Miscellaneous: Linux, Git

EMPLOYMENT

UConn VoTeR Center - *Software Engineer - May 2021-Current*
- Added new UI features and bug-fixes to the Audit Station, a piece of software that facilitates automated audits of Connecticut state elections.
- Developed new functionality to the Audit Station that allowed QR codes to be read and recorded during audits.
- Rewrote the backend of the Audit Station in C++ while adding optimizations for speed and more robust ballot detection.
- Created web application with PHP/JavaScript that was deployed statewide to assist Connecticut registrars with voter redistricting.
- Maintained internal IT infrastructure. This included supporting servers, writing scripts to complete various tasks, and keeping track of the lab's inventory.

Umi Digital - *Web Development Intern - September 2020-December 2020*
- Created an embeddable widget that can be used by hotel companies to guide users through the booking of hotel rooms. Users can specify room parameters and create bookings from within the widget.
- Utilized the Channex API to fetch hotel room data.
- Developed frontend with ReactJS and Material UI and backend with Node.js and Express.

UConn Communication and Development Lab - *Data Technician - March 2019-May 2020*
- Wrote Python scripts to process utterance data.
- Wrote GUI applications with Qt for use in experiments.
- Wrote MATLAB programs to compile and visualize eye-tracking data.

UConn Computer Science Department - *Teaching Assistant - August 2019-December 2019*
- Topic: Introduction to Computer Architecture
- Held office hours for students in person and online.
- Parsed written code quickly in order to grade written assignments.

Hedberg Data Systems - *Software Engineering Intern - May 2019-August 2019, December 2019-January 2020*
- Collaborated with other engineers to rewrite an enterprise resource planning system as a modern cloud-based application.
- Implemented new features using VueJS and Spring Framework.
- Interacted in an Agile work environment.

Student Affairs Information Technology - *Technical Support Specialist: August 2017-March 2019*
- Alleviated hardware and software problems for UConn staff.
- Wrote detailed instructions for procedures and trained new employees on procedures.

ACADEMIC PROJECTS

Diameter Health Fusion Application - *University of Connecticut: CSE Senior Design*

- Project Description: Our team created a web application used by healthcare providers that provides access to medical record data of clients and displays the data in charts using Apache Superset.
- Designed the application's frontend in ReactJS and wrote code to access and display charts via Superset's REST API.

File Buy - *University of Connecticut: Honors Thesis Project*

- Project description: A web application that mediates the purchase of digital art. The application tightly couples the process of the sending of the file and the transfer of money in order to prevent potential theft on either end of the transaction.
- Used PHP and the PayPal API to write the purchase pipeline.
- Designed UI and used JavaScript, CSS, and HTML to develop the frontend.
- Deployed the application using Apache and AWS Lightsail.

Human Rights Symposium Website - *University of Connecticut: Human Rights Symposium*

- Created a website for the Human Rights Symposium event using UConn's WordPress-based engine, Aurora.
- Wrote custom CSS to implement website style.