

Hugo Zoells

SOFTWARE ENGINEER

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Languages

C/C++

JAVASCRIPT

TYPESCRIPT

R

PYTHON

RUST

MATLAB

HTML

CSS/SCSS

FRENCH

L^AT_EX

Technologies

REACT

REDUX

NODEJS

Django

POSTGRESQL

AXIOS

EXPRESS

LINUX KERNEL DEV.

JEST

Interests

VIOLIN

COOKING

TABLE TENNIS

OPERA

Experience

Rightpoint

29 N Upper Wacker, Chicago, IL

60606

APPLICATION DEVELOPMENT INTERN

- Worked on teams for two public facing web applications for two client companies, an esports league administration app and a mortgage lender's user portal. This work focused primarily on the React/Redux front end.
- Built and tested pages from scratch with accompanying API requests and react components.
- Implemented an SCSS architecture and styled multiple pages to match designs.
- Also worked on refactoring components, and fixing bugs.

Isobar

300 E Randolph St 4000, Chicago, IL

60601

FRONT-END INTERN

- Worked on the front end of National Car Rental's website. This mainly focused on maintaining the code base, unit testing, and trying out new technologies
- Refactored pages to reduce props drilling due to Redux state updates
- Presented the benefits of using the Reselect API to the team and added it to the application.
- Oversaw the transition from Mocha/Chai unit testing to Jest unit testing and added Jest's snapshot feature to improve and expand testing of components.
- Solved a production issue involving the ad-blocking chrome extension privacy badger.
- Built an internal website for deeplinking into reservation flows from scratch with Nodejs/Express backend.

Jules-Gonin Eye Hospital

Avenue de France 15, 1004

Lausanne, Switzerland

DATA SCIENCE INTERN

- Analyzed the data and wrote and compiled the report for a retrospective study comparing post-operative results for LASIK and PRK surgical techniques.
- Wrote R scripts to conduct data analyses and generate graphs
- Spoke french with coworkers.

Education

Columbia University

New York, NY

B.A. IN PHYSICS

2017 - 2020

- Relevant Coursework: Operating Systems, Advanced Programming, Abstract Algebra, Analysis, Quantum Mechanics, Particle Astrophysics and Cosmology, Mathematical Methods in Physics, Statistical Mechanics, Electricity and Magnetism, Waves and Optics

Brown University

Providence, RI

B.A. IN PHYSICS FIRST YEAR

2016-2017

- Relevant Coursework: Linear Algebra, Advanced Mechanics

Skills and Projects

Skills

- TCP/IP, Sockets, Multi-threading, IPC, Unix systems
- Git, github, bitbucket
- Agile development, code reviews, collaboration in a cross-functional team

Projects

- Static web servers in C and Rust
- Primitive file system and round-robin scheduler for linux kernel
- Personal website hugozoells.com
- Leaguespot website, front-end
- Categories game API