

Hugo Zoells

SOFTWARE ENGINEER

☎ (+1) 630-280-1077 | ✉ hzoells@gmail.com | 🏠 hugozoells.com | 📄 hzoells

Languages

JAVASCRIPT

TYPESCRIPT

C#

SOLIDITY

C/C++

PYTHON

L^AT_EX

Technologies

REACT

REDUX

NODEJS

MONGODB

UNITY

WEBGL

HARDHAT

REDIS

TWILIO

.NET FRAMEWORK

POSTGRESQL

JEST

Interests

VIOLIN

COOKING

SQUASH

Experience

Inverse (Current)

FULL STACK DEVELOPER

- Worked on an immersive, interactive, 3d, browser accessible metaverse with a focus on building infrastructure for running virtual event experiences.
- Worked full stack to build seamlessly integrated features bridging the gaps between our web application, blockchains, and our Unity application.
- Built blockchain integrations for the platform including an ERC1155 based ticketing service with an accompanying market contract and NFT 3D models using Polygon.
- Used React, Redux, Nodejs, Mongodb, Redis, Twilio, Unity and Polygon to build features end to end through all levels of the product.

Treehouse Strategy and Communications Consulting

FULL STACK DEVELOPER

- Worked on an automation platform for media conversion with a focus on text translation.
- Built features end to end using ASP.NET MVC, Entity Framework, React and PostgreSQL.
- Oversaw a team of interns building a React front-end for the project, including creating a road map and task pipeline, running stand up, and onboarding new team members.

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.

Isobar

300 E Randolph St 4000, Chicago, IL

60601

FRONT-END INTERN

- Worked on the front end of National Car Rental's website.

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

- Front End: React, Redux, Twilio, Nextjs, Websockets, ASP.NET, Javascript(ES6)/HTML/CSS
- Back End: Node, MongoDB, Redis, Entity Framework, PostgreSQL, Restful APIs
- Web3: Smart Contracts, Solidity, Polygon, Ethereum, Hardhat, Ethers
- Unity: Unity Editor, Unity Cloud Build, react-unity-webgl, Photon
- DevOps in AWS: Elastic Beanstalk, EC2, S3 storage, Amazon VPC
- Unix, Bash
- Git, github, bitbucket
- Agile development, code reviews, collaboration in a cross-functional team