

# Erik Charles Zorn

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<https://erikzorn.github.io/>

## Education

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### University of South Carolina, Honors College

GPA: 3.98 – President's List (x5), Dean's List (x6)  
Mckissick Scholar – Wilson Scholar – Fain Scholar

Major: B.S. Computer Science; Minor: Business

Expected Graduation: Spring 2019

Phi Beta Kappa Honor Society

## Employment

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### AppNexus

New York, NY

Software Engineer Intern – Optimization

June – August 2018

- Met with PMs and other stakeholders to design a logger for improving optimization projects
- Learned MapReduce paradigm and enterprise-level version control practices
- Researched a new data protocol, suggested improvements and bug fixes, and devised solutions by pulling insights from the data

### Redhorse Corporation

Arlington, VA

Junior Application Developer (remote)

September 2017 – June 2018

- Developed PHP web application to generate Word documents from user specified input
- Researched Information Based Sensor Management (IBSM) to determine how an existing project may be integrated into and improve our new system design

Application Developer Intern

June – August 2017

- Wrote full stack code in Python, JS, bash, HTML, and CSS with an Elasticsearch backend for a proprietary talent management system
- Integrated IBM Watson and Facebook's fastText into our system to provide a richer dataset, more accurate query results, and ~x10 faster synonym generation

### H&M Bay Inc.

Federalsburg, MD

IT Intern

June – August 2016

- Designed webpages in ColdFusion with JavaScript to populate a database with user input
- Optimized SQL queries to efficiently add, update, and delete equipment information
- Created a complete IT work order system to schedule maintenance routinely and notify relevant employees via email

## Relevant Experience

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### Projects (More projects and experience at <https://erikzorn.github.io>)

- Created a GroupMe AI with JavaScript using the Cleverbot API to have smart interactions with other members of the chat. Deployed the app to Heroku
- Used Ionic Framework + Angular JS to develop a proprietary cross-platform budget application that caters to the needs of college students and uses JS packages for data visualization
- Developed a Django application to aggregate recent bills voted on by a district's congressperson based on a user specified geolocation

### Technical Skills

- Experienced: Python, Java, SQL, HTML, CSS, Hive, OOP, Agile Development, Git
- Proficient: C++, Elasticsearch, JavaScript, IBM Watson, Ionic + AngularJS, Django
- Experience with: Coldfusion, jQuery, Heroku, NLP, Assembly Language, Flask, Linux

### Leadership

- Co-led the final intern project presentation to CEO, COO, and division VP of Redhorse Corp
- Taught middle and lower school students programming principles during "Hour of Code"
- Held positions as SGA and class president and Worcester Co. Youth Council member in HS