

# Carter Thomas Konz

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## Employment

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### **Lead Software Development Engineer | 4C Insights — June 2019 - Present**

- Leading a team of six engineers in an agile development methodology to scope and develop products & features for 4C's ad-creative tool suite & publisher activation products.
- Mentoring & coaching developers in best practice software engineering principles to increase individual success & team productivity in a codebase with 65+ active contributors.
- Driving team-level & individual business ownership of 4C products through market analysis, client feedback & cross-functional collaborative discussion.

### **Software Development Engineer | 4C Insights — June 2017 - June 2019**

- Implemented large features & enhancements for a marketing tool suite in an agile development process using React, Redux & EmberJS, working with complex entity-state management at scale.
- Overhauled a statistics measurement workflow with Python, Flask, Celery & mongoDB with a focus on performance & reliability for 4C's unique value-add measurement tools.
- Enhanced infrastructure to improve developer quality-of-life, optimized project builds, isolated test environments & implemented release processes to increase site reliability.

### **Full Stack Development Intern | Ellytronic Media LLC — September 2016 - January 2017**

- Built scalable web services with NodeJS, Express, & MongoDB, as well as PHP & MySQL.
- Developed automated deployment environment & workflow with Jenkins CI, Slack & Hubot.
- Deployed scalable hardware & cloud-based computing systems with CentOS, AWS & DigitalOcean.

### **Software Development Intern | Oranj — May 2016 - September 2016**

- Developed reusable UI & API integrations in a hybrid mobile app with Javascript, Angular & Ionic.
- Established a complete CI pipeline, from sourcecode to app store releases with Jenkins & Fastlane.

## Education

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### **Loyola University Chicago | Chicago, IL — B.S. Computer Science, May 2017**

- Magna Cum Laude
- Interdisciplinary Honors Program

## Relevant Experience & Projects

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### **youwont.bet | Designer, Engineer — March 2019**

- Developed a web platform to upload photos for use in dynamic promotional materials.
- Used React, Python, Docker & AWS to implement an efficient & reliable web platform for ingesting & processing audiovisual content.

### **Technologies, Frameworks, Libraries, Toolchains, etc.**

- mongoDB, MySQL/MariaDB, Redis, Webpack, Kubernetes/Docker, AWS, CentOS, Jenkins
- ReactJS + Redux, EmberJS, AngularJS, Node, HTML (JSX/Handlebars), CSS (Sass/Less)
- Flask, Celery, RabbitMQ, SQLAlchemy, mongoose, Fabric, Pandas