

Thomas J. Fox

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Education

Loyola University Chicago
B.S. Computer Science

May 2016

- *Magna Cum Laude*
- Interdisciplinary Honors Program

John Felice Rome Center *Rome, Italy*

Fall 2014

Employment

4C Insights

Lead Software Development Engineer

Aug 2016—Present

- Lead of full stack team focused on making 4C's platform self-serve and enhancing user experience with tight feedback loop between Engineering, Product/Design, Sales and clients
- Full stack engineer working on a large single-page ad management web application built primarily with ES6 Ember.js, React, Redux and a Python Flask back-end
- Building user administration tool to empower users and reduce client dependance on 4C's Client Success team
- Spearheading transition of the platform to React and building an internal component library
- Helped build and maintain a bare-metal Kubernetes cluster to support our service architecture and distributed worker system
- Architected, built and maintain an audience builder where users can target, build, upload and expand audiences based on different inputs to use with 4C's social and TV integrations
- Integrated third-party APIs and in-house data sources for audience building, data manipulation and publishing
- Mentor junior engineers and evaluate/interview job candidates

Oranj

Software Developer/Designer

Jan 2016—Aug 2016

- Initiated and started work on the development of a hybrid mobile app project for Oranj's wealth management application as well as a full redesign of Oranj's main web app
- Designed high fidelity mockups and a new, simpler user flow for the redesign of Oranj's mobile and web applications
- Leveraged Ionic, AngularJS and Node.js for mobile and web application project

Independent Contractor

Software Developer

Apr 2015—Feb 2016

- Designed and built interactive website for a Chicago music organization

NBT Solutions

Developer Intern

Summer 2014 | Winter 2014, 2015

- Developed both code and designs for web applications leveraging geo-data for clients to either display data or for their own analytical purposes
- Created custom map tiles incorporating open data from OpenStreetMaps
- Designed and developed frontend interface for NBT's VETRO Fiber Management tool

Tools and Interests

- Python, JavaScript (ES6), Node.js, HTML/CSS
- ReactJS, Redux, Ember.js, Flask, MongoDB, MySQL, Redis, Celery
- Kubernetes, Docker, AWS, Ansible, Git, Jenkins
- Reading, Running, Biking, Rowing, Design, Cooking, Cartography