

# Thomas J. Fox

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## Employment

### **Software Development Engineer, 4C Insights** – August 2016 - Current

- 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
- Currently spearheading transition of the platform to React and building an internal component library for cross-platform use
- Planned, built and maintain a cross publisher audience builder where users can target, build, upload and expansion model audiences based on different inputs to use with our social and tv integrations
- Work with third-party API integrations and in-house data sources for audience building, data manipulation and publishing
- Leverage MySQL, MongoDB and Redis for audience storage, processing and caching
- Helped lead and maintain the building and design of a high-level data visualization tool that makes use of TV and social data to help brands better understand their impact, strengths, weaknesses and audiences
- Mentor multiple junior engineers and interview job candidates

### **Developer/Designer, Oranj** – January 2016 - August 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
- Used Ionic, AngularJS and Node.js for mobile and web app project

### **Independent Web Developer** – April 2015 - February 2016

- Contracted by a Chicago-based contemporary classical music organization, to design and build a custom Wordpress based site with a lesson scheduler, e-commerce and program member profile system

### **Developer Intern, NBT Solutions** – 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 using tools such as QGIS, TileMill and MapBox Studio
- Designed and developed front-end interface for the customer-facing piece of NBT's VETRO Fiber Management Tool; a product created to allow fiber companies manage demand and infrastructure

## Education

### **Loyola University Chicago**

#### **B.S. Computer Science**

– May 2016

- *Magna Cum Laude*
- Interdisciplinary Honors Program

### **John Felice Rome Center, Rome, Italy**

– Fall 2014

## Additional Experience

### **LuTech: Loyola Technology Club Co- Founder** – Fall 2013

- Co-Founded LuTech, a computer science group on campus
- LuTech hosts hackathons, tutorials, and other miscellaneous services for the Loyola student body

## Tools and Passions

- Python, JavaScript (ES6), Node.js, HTML, CSS, UNIX
- React, Redux, Ember.js, Flask, MongoDB, MySQL, Redis, Mapbox, AWS, AngularJS, Pandas, Celery, Adobe Creative Suite
- Photography, Design, Cooking, Biking, Running, Hiking, Cartography