

Thomas J. Fox

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Employment

Senior 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 React, Ember.js, Redux and a Python Flask/Celery 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 and data 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

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

- Built and designed 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, Celery, Adobe Creative Suite
- Running, Photography, Design, Cooking, Biking, Hiking, Cartography