Thomas J. Fox

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Education

Loyola University Chicago, Chicago, IL — B.S. Computer Science, May 2016 (Anticipated)
- GPA: 3.67 (Major GPA: 3.79)
- Interdisciplinary Honors Program
- Coursework: Algorithms, Artificial Intelligence, Calculus II, Computer Systems, Data Structures, Discrete Mathematics, Embedded Systems: Micro-controllers, Networks, Intermediate OO Programming

Employment

INDEPENDENT WEB DEVELOPER — APRIL 2015 - CURRENT
- Contracted by a not-for-profit Chicago-based music organization to design and build a custom Wordpress-based website with a lesson scheduler, e-commerce and program member profile system

DEVELOPER INTERN, NBT SOLUTIONS, LLC.; BUFFALO, NY — SUMMER, WINTER 2014
- Developed both the designs and code for websites and web applications relating to geographical data that clients could use to publicly display or for their own analytical needs; worked using open source technologies such as GruntJS, Bower, AngularJS, Vagrant, and Leaflet in an Agile environment
- Created an internal AWS services cost reporting tool using Node.js, JavaScript, and Express server
- 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
- Worked with geospatial data to create custom generated maps that incorporated data from OpenStreetMaps to match specific client designs and needs

INTERN, DYNABRADE INC.; CLARENCE, NY — SUMMER, WINTER 2013
- Responsible for photographing, editing, and cataloguing products using Adobe Photoshop
- Devised a methodology of photo processing that allowed the visual inventory of the over 10,000 parts Dynabrade uses in its pneumatic tools to be completed 50% quicker than projected

Additional Experience/Projects

Periodic Design; Founder, Lead Developer, Designer — August 2015 - Current
- Leading a team of three developers in launching a web application designed to display 2016 USA Presidential Election data analytics using data from social networks, news organizations and historical
- Utilizing AWS, Google Polymer 1.0, MongoDB, social networking APIs and data analysis algorithms

LuTech: Loyola Technology and Computer Science Club; Co-Founder — Fall 2013
- Co-Founded LuTech, an organization designed to provide students with an environment to test and develop their technology-based entrepreneurial ideas; we also work as a team to implement software that will benefit students at Loyola and our greater Chicago community
- In the process of planning two school-wide hackathons for Fall 2015 with the overarching theme of Social Justice through the subtopics of Environmental Sustainability and Hunger

Skills/Technologies

- Node.js, JavaScript, Java, C++, C#, C, HTML 5, CSS 3, UNIX Command Line (Bash), Python, Arduino
- Eclipse; GitHub, Amazon Web Services, Heroku; AJAX, RESTful API, Git, GruntJS, Bower, AngularJS, Polymer, Vagrant, TileMill, Mapbox Studios, Leaflet; Agile Development
- Adobe Creative Suite