

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, Broadening Participation in STEM, 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 the Access Contemporary Music organization to design and build a custom Wordpress-based website including a lesson scheduler, e-commerce and member profile system
- Currently working with the Computer Science Department at Loyola to build their research group a website for the team and their projects

DEVELOPER INTERN, NBT SOLUTIONS, LLC.; BUFFALO, NY — SUMMER, WINTER 2014

- Developed both the designs and code for 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 so data could be accessed more immediately and efficiently
- 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

LuTech: Loyola Technology and Computer Science Club; Co-Founder — Fall 2013

- Co-Founded LuTech, an organization designed to provide opportunities to students at Loyola relating to technology and computer science; we also work as a team to implement software that will benefit students at Loyola and our greater Chicago community
- Planned two hackathons in Fall 2015 relating to the overarching theme of social justice through the subtopics of Environmental Sustainability in Chicago and Hunger/Food Systems Sustainability
- Designed and built websites for both of the Loyola Hacks hackathons

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, Vagrant, TileMill, Mapbox Studios, Leaflet; Agile Development
- Adobe Creative Suite