

Nicholas Gottschlich

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B.S.E. | UNIVERSITY OF MICHIGAN | 2011-2015 | GPA: 3.3/4.0 GRADUATED CUM LAUDE

- Major: Computer Science | Minor: Multidisciplinary Studies

UNIVERSITY OF TEXAS AT AUSTIN | 2015-2016 | GPA: 4.0/4.0

- *Career Grant for Advisor on Sustainability in Scientific Software*
- Worked on grant to discover if open-sourcing is a viable solution to obsolescence in scientific software.
- Used python to program web-scraping software and built a database of existing scientific software.
- Manually coded existing scientific software based on web presence and other attributes related to open-sourcing and ran agreement testing using Cohen's Kappa on the results.

Work Experience

SOFTWARE ENGINEER II | BAZAARVOICE | 2017 - PRESENT

- Key developer on the Fast Rating Summary project, which completely overhauled how BazaarVoice outlines a product's ratings (out of 5 stars) on a product page on a retailer's website. Uses Preact and focuses on extreme minimization of package size. The software is used on the main site of clients such as REI, Gap, Kate Spade, Jameson and Haagen Dazs and receives thousands of page views per second.
- Established automated release scripting software. This runs all release steps for our software automatically and also includes automated testing, saving hundreds of engineering man-hours.

SOFTWARE DEVELOPER INTERN | DATA.WORLD | 2016 - 2017

- Developed a new schema for the ACS Census using TopBraid schema development software.
- Wrote python code and SPARQL queries to enhance all census data for 2014 with this new schema.
- Wrote a tutorial for the SPARQL query language, and built an embeddable version of data.world's query tool using JavaScript, React, Redux, HTML, and CSS that made the tutorial fully interactive
- Created a report system to query Freshdesk's API using Axios in React, which allows users to click one report button and have a ticket with metadata automatically submitted to data.world's support staff.

INTERN | UNIVERSITY OF MICHIGAN KELLOGG EYE CENTER | 2013

- Coded a program in MATLAB that allows eye doctors to automate the tracing of nerves in a microscopic image of a patient's eye in order to help diagnose cases of Diabetes and Glaucoma.

Projects

SOCIAL AMNESIA

- Completely free and open source social media management software I designed from the ground up. Fully installable with a GUI, it allows the user to automatically wipe their reddit and twitter posts, comments, tweets, and favorites, on a schedule, with modifiers to whitelist specific items based on user choice or quantifiers. Available at <http://socialamnesia.com> *Language: Python*

THE BINARY BROS

- Worked with fellow engineering students at the University of Michigan to build a co-op M.C. Escher style puzzle-platformer in the Unity game engine. *Language: C#*

Volunteer Experience

TEACHER | CODE2COLLEGE | 2018-2019

- Lectured high school students at Pflugerville High and then Manor Senior High School in an afterschool software development program. Taught them Python, JavaScript, HTML, CSS, and SQL so that they could create their own full-stack web app. Regularly led class and worked with individual students.

Languages and Technologies

- JavaScript, React, Python, Redux, Node.js, JSX, HTML, CSS,
- Testing Frameworks: Jest, Enzyme
- Other Tools: Git, GitHub, Jenkins