

Veronica Day

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EDUCATION

UNIVERSITY OF MICHIGAN

Dual Degree Student: B.S. Computer Science, B.B.A Ross School of Business

Ann Arbor, MI

May 2019

GPA: 3.35/4.00

Technical Skills:

Proficient in: C/C#/C++, Python, PHP

Familiar with: ElasticSearch, MySQL, HTML, CSS, JavaScript, Unity,

Experience in: UNIX/Linux, Git, RegEx, Bootstrap, Agile

Coursework:

- EECS 486 Information Retrieval & Web Search | EECS 398 System Design & Architecture in C++
- EECS 281 Data Structures & Algorithms | EECS 388 Computer Security | EECS 370 Computer Architecture

Awards:

- First Place, Erb Institute India Sustainability Competition
- EECS 183 Showcase, J.P. Morgan award
- University Honors, 2014-2016

Activities:

- Co-founder Arc Innovations – working to transform how universities approach interdisciplinary research
- Marketing committee, GEECS - Girls in Electrical Engineering and Computer Science
- Hopper Volunteer, 2017 Grace Hopper Conference
- Dancer, Hipnotics Dance Ensemble
- Traveler, visited 1/7 Wonders of the World (so far)

EXPERIENCE

Trove AI

Ann Arbor, MI

Backend Software Engineer Intern - Cloud Team

May 2017-Present

- Improved search results by implementing fuzzy information retrieval word mapping system using PHP, ElasticSearch
- Implemented API endpoint using PHP, MySQL to enable users to scan business cards, create profiles, and view mutual connections in Trove's Android app
- Developed code linter to parse code, recognizing and fixing style errors in order to help standardize code review
- Used Regular Expressions and heuristics to improve email signature parsing for contact information

Gwydion, Inc.

Ann Arbor, MI

Project and Business Manager

January 2017-Present

- Develop and update official business plan, conducting market research into virtual and augmented reality industry, providing insight on pricing models and marketing strategies in order to attract potential investors
- Collaborate with 3 members of software development team to create educational augmented reality application for the Material Science Department at the University of Michigan

Stryker Orthopedics

Mahwah, NJ

Product Portfolio Management Intern

June 2016-August 2016

- Acted as liaison between R&D and product strategy teams, offering insights into user needs and market trends, advising on future product features and design
- Designed metric for evaluating efficiency of robotically-enabled hip surgery, collaborating with team of UI/UX engineers on potential improvements for next generation surgical robot

Girls Who Code

Ann Arbor, MI

Program Coordinator, Mentor

September 2016-Present

- Design, lead, and facilitate weekly programming lessons along with team of 5 computer science students at U of M
- Mentor high school girls, engaging in discussions around gender and STEM, giving students the opportunity to gain confidence and discover potential careers in computing and technology

PROJECTS

Political Bias Detector – In Progress

- Use Facebook's Fast Text ML model to train the application to recognize right-wing or left-wing bias in news text articles

C++ Search Engine

- Collaborated with teammates to build working search engine entirely from scratch. Ownership of parsing, stemming, tokenizing, and string processing of document, queries

RateMyProfessor Gender Bias Detector

- Applied vector space model to identify gendered language in RateMyProfessor profiles

AI Poetry Generator

- Utilized NLP, N-gram language modeling, to train program to create poems based on lyrics of various artists, combined with syllable parser to generate Haiku and rhyming poetry

Social Media Marketing Efficiency Program

- Fetch retweet frequency using Twitter API, compared data to sales revenue from financial documents, exploring the correlation between sales and social media presence