John G. Zolton

403 Regency Park Dr, Tallmadge OH 44278
(330) 604-5094
Jgz6@uakron.edu
Portfolio: https://johnzolton.github.io/

TECHNICAL PROJECTS

E-Commerce Web App
- Created an eBay-like online auction site using Django and SQL
- Users can enable/disable two factor authentication using time-based one-time passwords
- Users can register, create a listing to bid on, close bidding on their listings, bid and comment on listings, see time remaining and if they won
- Users can filter items by category, add items to- and view their watchlist
- Users can change their username, email and password from the settings page
- Used CSS and JavaScript to create a responsive front-end

Twitter Web App
- Allows users to tweet, like and unlike tweets, follow other users, edit their tweets, and see tweets of users they are following
- Used JavaScript to query and modify the database without reloading webpage when tweets are liked/unliked and when users are followed/unfollowed
- Used Django and Sqlite3 to serve views and maintain database of users, tweets and follows

Email Client
- A single-page email client using JavaScript, HTML and CSS
- Allows users to send and receive emails, check their mailbox, archive and unarchive emails, and reply to emails
- Replies are pre-populated with the recipient and subject being replied to

EDUCATION

Computer Science Courses:
- Harvard CS50's Web Programming with Python and JavaScript
- Stanford Algorithm's Specialization on Coursera
- Harvard CS50's Artificial Intelligence with Python
- Harvard CS50's Introduction to Programming with Python
- Harvard CS50's Introduction to Computer Science

Software Skills: HTML, CSS, Python, Django, Flask, SQL, Git, JavaScript

The University of Akron, Akron, OH
Bachelor of Science in Biomedical Engineering: Tissues and Biomaterials with Co-Op   May 2020
GPA: 3.55 / 4.00
Activities and Honors:
- Dean's List: Spring, 2020, Fall 2019, Spring 2019, Fall 2017, Fall 2015
- Varsity Track and Field, 2015-2017

Relevant Courses: Calculus I, II, & III, Differential Equations, Biomedical Computing

WORK EXPERIENCE

Norman Noble, Inc., Highland Heights, OH
Manufacturing Engineer Co-op
Jan – May 2018, Aug – Dec 2018, May – Aug 2019
- Implemented multiple cost savings initiatives saving over $18,000 per year
- Improved strength of additively manufactured components by 50% by researching and performing various heat treatment procedures

Activities and Interests
- Brazilian Jiu Jitsu, Water Skiing, Snowboarding