

Recent Projects/Work Experience:

1. Built Full-Stack website for Yale University Center for Teaching and Learning (Fall 2016 – Winter 2017) for distribution of Qualtrics survey data resulting from STEM education initiative (Summer Institute). Several million data points extracted, loaded to MySQL database, and served using PHP on GoDaddy. Created web pages to access this data.
2. In second year at Yale (Winter 2017 – Fall 2018), improved above model to eliminate custom creation of web pages for future survey distribution by developing in Java SE a HTML/Javascript/CSS generator called Q-Charter. Website pages can be created by non-developers. Q-Charter interface obtains data and survey model directly from Qualtrics API using REST. Data and model were extracted with XML and JSON, respectively. For de-identification of survey comments, used node.js so that editing can be done using browser.
3. As research assistant at SCSU (Spring 2017 to present), working in smartphone security area, wrote a series of Android applications to collect user touch data for user authentication. Conducted data collection from over 50 people. Used Python and SciKit Learn to conduct classification experiments. Also am involved in helping several other students with their machine learning projects.
4. As teaching assistant, graded all assignments for the semester for the (1) Algorithms and (2) Data Mining undergraduate classes.
5. In multi-threaded programming class designed and coded in Java a peer-to-peer distributed file system, featuring dynamic peer master-list, file search, remote directory display, and binary file download capability.
6. In advanced Database class created website for a restaurant using PHP and MongoDB.
7. Working in my family's distribution business, I wrote virtually all of the applications for the AS/400 system in RPG

Education: Southern Connecticut State University, New Haven, Connecticut
Master of Science, Computer Science (December 2017) GPA: 3.97
Teaching Assistant, Computer Science (Fall 2017)
Graduate Research Assistant, Computer Science (Fall 2016-Spring 2017)

A100 Winter 2015 Cohort (Scrum Master, 1st Sprint)

Elmira College, Elmira NY
B.A. Biochemistry

Languages Comfortable Using:

Java, HTML/CSS/Javascript, Android, Python, SciKit Learn, MySQL, PHP

References are available from Yale University and Southern Connecticut State University

