RYAN VINCENT PICKREL

EDUCATION

B.S. COMPUTER SCIENCE, TOWSON UNIVERSITY HONORS COLLEGE ANTICPATE MAY 2021

Selected Coursework: Data Structures and Algorithm Analysis, Data Communications and Networking, Database Management Systems, Advanced Programming, Introduction to Cryptography

CENTURY HIGH SCHOOL, GRADUATED WITH AP COMPUTER SCIENCE COMPLETER - JUNE 5, 2017

SKILLS

PROGRAMMING LANGUAGES: JAVA, PYTHON, C++, C, SQL

FRAMEWORKS: MICROSOFT COGNITIVE SERVICES, APACHE SPARK, GIT, MAVEN, ELK STACK

PROJECTS

HOSPITAL DATABASE PROJECT (TOWSON UNIVERSITY)
Designed and implemented a hospital database using MySQL to incorporate various data modeling requirements and expected database queries. Built front end application for the database in PHP.

POST QUERY TEXT PROCESSOR (BRAINTRUST HOLDINGS)
Utilized Microsoft Cognitive Services to evaluate multi-type content and assigned metric scores based on keywords.

NETFLOW INTERROGATOR (BRAINTRUST HOLDINGS)
Converted previously written MapReduce code that analyzed and distinguished between baseline and unusual network traffic to use Apache Spark Resilient Distributed Datasets (RDDs). Visualized data with Kibana.

ACTIVITIES

TOWSON UNIVERSITY CYBER DEFENSE CLUB (2019-PRESENT)
Discussed current events and participated in hands on labs to enhance and develop skills

TOWSON UNIVERSITY SOFTWATE ENGINEERING CLUB (2017-2018)
Participated in hands on labs and helped less experienced members develop their skills

TOWSON UNIVERSITY DOUGLASS HOUSE COUNCIL (2017-2018)
Planned and implemented social and civic activities affecting members of an honors college dormitory

Towson University Intramural Basketball, Volleyball, and Flag Football (2017-2019)

WORK HISTORY

LAB ASSISTANT – TOWSON UNIVERSITY COMPUTER SCIENCE DEPARTMENT (FALL 2019 – PRESENT)
Aided professors with maintenance of lab equipment and handled technical issues. Provided students help with installing software and other technical issues.

BRAINTRUST HOLDINGS SOFTWARE ENGINEER INTERN (SUMMER 2019)
Performed as a member of an Agile Team Aiding with design, implementation, testing, and release of software related to internal BT projects. Authored sections of white papers related to work performed on projects.

COMPUTER SCIENCE TUTOR (SUMMER 2018 – FALL 2018)
Devised lesson plans and reviewed class materials to develop understanding for tutee

STUDENT AIDE – TOWSON UNIVERSITY COMPUTER SCIENCE DEPARTMENT (FALL 2017)
Kept and compiled notes for students along with providing additional support

MARYLAND LEADERSHIP WORKSHOP STAFF (SPRING 2016- SUMMER 2016)
One of the youngest chosen staff members to work with MD youth on developing leadership skills

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REFERENCE

AVAILABLE UPON REQUEST