

VALA ZEINALI

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EDUCATION

Bachelor of Science in Computer Science
Minor in Applied Mathematics
Kent State University, Kent, Ohio. GPA : 3.6

Fall 2017 - Spring 2020

SOFTWARE TOOLS

Platforms Python, MySQL, R Studio, L^AT_EX.

RESEARCH POSITIONS

Research Assistant at Carnegie-Mellon University

Summer 2019

Supervision under Dr. Herbsleb, Dr. Bogart, and Dr. Klug. Our research digs deeper to see how new and old contributors in the Rust compiler team on github evolve. We then raise the question: what helps new users stick around for their second year? Will completing issues with E-Easy labels help new users stay contributing after their matriculation in the Rust compiler repository? We mine nine years worth of github data and run multi-linear regression, logistic regression, time-series analysis, and machine learning algorithms to answer our question. Paper in progress

Undergraduate Research Assistant

Fall 2018 - Spring 2019

Assisted Gokarna Sharma, PhD at Kent State with artificial intelligence research. Created new algorithm to produce closer approximation in an online tethered robot to cover area in a planar environment with unknown obstacles. Published Paper.

TEACHING

Course Lead Tutor

Fall 2019 - Present

Responsible for tutoring tutors on how to tutor mathematics.

Undergraduate Teaching Assistant

Fall 2018 - Present

Assisted statistics Professor Vezvaei and Pham with teaching three sections of MATH 10041 Introductory Statistics for the Fall 2018 semester. Taught one section of Introductory Statistics and MATH 11012 Intuitive Calculus for Spring 2019. Assisting with MATH 30011 Basic Probability and Statistics for Fall 2019.

Mathematics Tutor

Spring 2018 - Present

Employed through the Academic Success Center. Help students by taking complicated topics and finding ways to break them down in a way that makes the most sense to the student. Our goal is to foster independent learning.

LEADERSHIP POSITIONS

Student Body President

Spring 2019 - Present

Student government. Campaigned and elected by undergraduate student body of Kent State University. Currently working with higher administration to scale up our initiative of providing free menstrual products at Kent State. Help develop survey to gather both quantitative and qualitative data on menstruation. The data was analyzed and presented in pitch-book form to higher administration to secure more funding for our Period Project initiative.

Presidential Search Committee Member

Fall 2018 - Spring 2019

Selected by Kent State upper administration and Board of Trustees to represent the entire undergraduate student body to help elect the 13th university president. Responsible for gathering students concerns and communicating them with the committee.

Director of Business & Finance

Spring 2018 - Spring 2019

Student government. Campaigned and elected by the undergraduate student body. Handled a 7 figure budget used for events for the student body, as well as, funding students to go to conferences. Created UI and database to store allocation applications digitally, opposed to previous paper method.