

CHAN YOUNG KOH

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Education

Bridgewater State University, Bridgewater, MA

B.S. in Computer Science with Departmental Honors, GPA 3.837

August 2015 – May 2019

Minor: Mathematics

M.S. in Computer Science, GPA 3.970

September 2019 – May 2021

University of Rhode Island, Kingston, RI

Ph.D. in Computer Science, GPA 4.0

September 2022 - Present

Undergraduate Research: Tracing and Estimating the Trend of Cyberattacks through Data Mining

Graduate Research: Profanity Detector: A Python-based Machine Learning in Natural Language Process

Related Research/Project: Predictive modeling using hierarchical clustering on SCADI, A Survey of DNS/TCP Attack Preventions, Eliza, Genetic Programmed Cars, Perceptron (Optical Character Recognition)

Previous Research Presentation:

- **NCUR 2019 - Kennesaw State University**
- **MassURC 2019 - UMass Amherst**
- **StARS 2019 - Bridgewater State University**

Computer, Analysis, and Relevant Skills

- Computing Languages: Python, R, Go, SQL, Java, Swift4-SwiftUI, C, and C++
- Multilingual: English, Korean, French, and Twi (Ghanaian Dialect)
- Experienced in using Git, GitHub Actions, GitLab, GitKraken, and Jira
- Familiar with AWS, such as S3 and ECR, Docker, and Vagrant
- Experienced in leading small teams, problem-solving, root cause investigation, and troubleshooting

Work Experience

University of Rhode Island, Kingston, RI

Teaching Assistant

August 2021 – Present

Bridgewater State University, Bridgewater, MA

Graduate Assistant (Testing Services Administrator)

August 2019 – May 2021

NycaSoft Inc., Bridgewater, MA

Software Application Intern

January 2019 – May 2019

Participated in making a new website for Webject Systems Inc. using PHP (Drupal)

Bridgewater State University, Bridgewater, MA

Math Service Head Tutor

January 2019 – May 2019

Manage other tutor appointments and tutor students in different math courses such as calculus to real analysis.

Bridgewater State University, Bridgewater, MA

Math Readiness Boot Camp Tutor

May 2018 – June 2018

Bridgewater State University, Bridgewater, MA

Math Tutor (Statistics)

Jan 2018 – May 2018

Tutor students one to one on a different aspect of statistics (Math, Business, Economics, and Psychology statistics)

Bridgewater State University, Bridgewater, MA

Math Teaching Assistant (Precalculus)

Sept 2016 – Dec 2018

Assist students who need mathematical assistance during office hours and teach a designated class once a week.

COSMOS SEAFOODS CO. LTD, GAFCO Industrial Park Main Harbor, Tema, Ghana

Intern, Statistical Analysts Assistant

May 2016 – Jul 2016

Performed initial client assessment and analysis to begin the research process, utilized lean six-sigma method to determine maximum revenue of the company according to production cost and yield.

Intern, Human Resource Analyst Assistant

Jan 2015 – Mar 2015

Reorganized and optimized employee distribution within each department in the factory

Volunteering/Involvement

[First-Gen Student Summit, College of the Holy Cross, MA]

March 2019

[Data Fest] Stonehill College, MA | Bryant University, RI

March 2018 - March 2019

[HackHarvard, Harvard University, Boston, MA]

November 2018

[Upsilon Pi Epsilon, International Honor Society]

2017 – Present

[Korean Community Church of Ghana, Tema, Ghana] Accompanist (Piano, Drum, Guitar)

Jan 2007 – May 2015

[General Hospital, Tema, Ghana] Medical Service Volunteer

Feb 2010 – April 2015