

DAVID E CARLYN

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EDUCATION

PhD in Computer Science

Ohio State University, Columbus, Ohio

May 2024

BS in Computer Science

Kent State University, Kent, Ohio

May 2019

GPA: 3.98

PROFESSIONAL EXPERIENCE

Graduate Teaching Assistant

Ohio State University, Columbus, Ohio

Aug 2019 – Present

Instruct weekly labs on Microsoft Excel and Access Database concepts. Managing graders and make-up labs.

Software Engineer Intern

MIM Software, Beachwood, Ohio

May 2018 – Aug 2019

Developed functionality for saving custom-made searches for medical images. Produced an interface for saving and using custom-made toolbars for easier image markup and analysis. Created a process for analyzing the session of a user's operation of the software. Performed basic bug fixes and feature enhancements, such as adding undo and redo functionality for image markup.

Mobile Application Developer

Kent State University, Biological Sciences

May 2018 – Aug 2019

Constructed an augmented reality tour mobile application for the May 4th museum at Kent State University.

Technology Assistant

Kent State University, Information Services

Mar 2017 – May 2018

Developed and debugged web applications. Managed user requests and complaints. Collaborated in application design.

Teaching Assistant

Kent State University, Computer Science Dept

Jan 2016 – Dec 2017

Tutored students with basic computer science topics. Supported students with understanding labs and lectures. Graded computer science projects.

Academic Tutor

Kent State University, Academic Success Center

Oct 2015 – May 2017

Guided students in mathematics and equipped them with essential study skills. Coordinated tutoring events.

RESEARCH EXPERIENCE

Pancreas Cancer Detection

Ohio State University, Comp Sci & Engineering Dept

Aug 2019 – Present

Detect cancerous structures in CLE-n-EUS pancreas images using residual networks and VGG models.

Image Segmentation

Kent State University, Computer Science Dept

Sept 2017 – Aug 2018

Segmented and analyzed astrocyte cells. Reduced the time of analysis from minutes to seconds.

Code Change Notification

Kent State University, Computer Science Dept

Jan 2018 – May 2018

Integrated GitHub and Slack together to send notifications on tagged code changes to a Slack channel.

DEVELOPMENT EXPERIENCE

IT Director

Flashathon, Kent State University

Jul 2017 – May 2019

Designed and developed the organization's mobile application. Assisted in all technological communications. Supervised all responsibilities involving electronic equipment.

Website Manager

Phi Kappa Psi, Kent State University

Jan 2016 – May 2019

Created the organization's website. Migrated data from the organization's website over to a ChapterSpot managed website. Performed any changes to the new website.

LANGUAGES & LIBRARIES

Python, PyTorch, Plot.ly, C++, Java, HTML, CSS, SQL, PHP, JavaScript, Unity3D, Linux.