

KAYL A. WALTON

Bloomington Indiana • (812) 350-2134 • kaylwalt@indiana.edu

EDUCATION

Indiana University

Masters in Computer Science

Cumulative GPA: 4.0

Bloomington, IN

May 2019

Indiana University

Bachelor of Science in Computer Science

Bachelor of Science in Mathematics

Cumulative GPA: 3.8

Bloomington, IN

May 2018

EXPERIENCE

LexisNexis Risk Solutions

Software Engineering Intern

- Developed data retrieval web pages with ASP.NET MVC framework
- Integrated SQL server into web application using Entity framework
- Implemented bug fixes in production code base
- Created thorough unit and integration testing for web services
- Designed live reports in Telerik to be served in web application

Martinsville, IN

May - July 2018

LHP Engineering Solutions

Engineering Intern

- Developed framework to stream live data from autonomous car
- Designed and implemented website for LHPU Autonomous Project
- Created embedded message processing algorithm
- Prototyped future autonomous vehicle objectives
- Supported development of vehicle navigation algorithms
- Applied machine learning to factory machinery fault analysis

Columbus, IN

May - Aug. 2017

Indiana University School of Informatics and Computing

Associate Instructor

- Lead interactive lab portion of course
- Graded and administered homework, quizzes, and exams
- Communicated core computer science subjects to students

Bloomington, IN

Sep 2018 - Present

Indiana University

Undergraduate Instructor

- Assisted instruction of Math and CS department courses
- Mentored students in various mathematical and technical subjects
- Assessed and provided feedback on homework, quizzes, and exams

Bloomington, IN

Aug. 2016 - May 2018

RELEVANT EDUCATION

- B461 - Database Concepts
- B403 - Algorithm Design and Analysis
- C343 - Data Structures in Computer Science

TECHNICAL SKILLS

Languages: Java, C++, C#, JavaScript, Python, GoLang, R, Lisp

Frameworks: ASP.NET MVC, React, Express, Materialize CSS, TensorFlow

Tools: Docker, Git, JQuery, D3, Node, Webpack, Babel, Gulp, SQL Server, Mongo-DB, Postgres

Miscellaneous: Android development tools, XML, HTML/CSS, Microsoft Excel