

JACOB ADLEY

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421 Westcreek Drive, Warsaw, Indiana 46580

EDUCATION

Indiana University, Bloomington

August 2015 - May 2020

Computer Science M.S.

GPA: 4.000

Computer Science B.S., Mathematics B.S.

GPA: 3.764

Relevant Courses

Data Structures, Artificial Intelligence, Advanced Functional, Compilers

TECHNICAL STRENGTHS

Programming Languages

Racket(Scheme), Java, C, Python, Haskell, Coq, Pie, Javascript

Mathematics

Topology, Real Analysis, Linear Algebra, Calculus

Programming Language Theory

Dependent Types, Interpreters, Custom Languages, Compilers

WORK EXPERIENCE

Service Now

May 2019 - August 2019

Platform Engineering Intern

- Designed new UI feature to dynamically render titles based on design-time values of the work-flow system using Java/JavaScript.
- Altered core database to store user data history as snapshots, eliminating dependencies and cutting the number of records needed per customer instance in half.

Crowe LLP

May 2018 - August 2018

Applied Technology Intern

- Worked as sole web engineer on the Revenue Cycle Platform, creating new pages that efficiently mutated and interacted with customer data relying on full-stack production as well as machine learning support.
- Coordinated with database team members on all projects in order to minimize queries and ensure maximal efficiency when working with terrabytes of data.

Indiana University SICE Department

August 2017 - December 2017

Undergraduate Instructor: Fundamentals of Data Structures

- Helped develop a dynamic curriculum based on student performance and overall feedback.
- Responsible for running lab sections, holding office hours, grading and preparing all assignments and examinations, as well as one-on-one tutoring with select students.

EXTRA-CURRICULAR

Projects - Verified implementation of a heap in Coq, custom language with only prime-factorized numbers, Haskell/Racket interpreters, various fractals and games.

Club Runner - Compete in distances from 8K to Marathon for more than ten years.

Karate Club - Athlete and Club Treasurer. Responsible for organization of all financial aspects.

Linux - Interested in customizing operating systems (Arch) and software (Vim, Suckless Utilities) to their fullest extent using C and Bash.

Pass-times: chess, violin, reading, film, fitness.