Noah L. Alderton

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Education

Purdue University
Graduating May 2021 • GPA: 3.77/4.00
Bachelor of Science in Computer Science and Data Science
Bachelor of Arts in Political Science

Experience

Software Engineer Intern – Salesforce
Summer 2020 • Atlanta, GA
- Fixed various bugs dealing with API parameters, email databases, and search engine keywords in Pardot, which was built with PHP and Symfony
- Implemented Saleforce SSO OAuth authentication and added Block Editor support to the Pardot plugin for WordPress, using PHP and JavaScript

Software Engineer Intern – Grainger
Summer 2019 • Chicago, IL
- Developed an iPhone printing application using React Native to reduce time needed for KeepStock representatives to replace stockroom item labels
- Created an automated benchmarking tool for Teradata databases to eliminate the dependence on preexisting data to run benchmarking queries
- Migrated Analytics team's Python 2 codebase to Python 3

Software Developer Intern – UnitedHealthcare
Summer 2018 • Indianapolis, IN
- Corrected front-end defects on the UHC Motion's ASP.NET website
- Built a database monitor using the .NET Framework to notify administrators of database issues via email or text messaging

Lecturer – Purdue University
Fall 2019 • West Lafayette, IN
- Lecturer for CS 193: Tools, where I taught students the tools of software development including git, terminal, and debugging.

Undergraduate Teaching Assistant – Purdue University
Fall 2018 - Present • West Lafayette, IN
- Assist students during labs and grade assignments for Computer Science Tools, C Programming, and Systems Programming courses
- Developed Python modules for Introduction to Political Analysis course to teach students textual analysis through web scraping.

Projects

Sentiment Analysis on Supreme Court Confirmation Hearings
- Research project to study the factors that influence variation in Senator sentiment during Senate hearings for Supreme Court Nominees.

Officium
- React web app that manages applications for job seekers
- Allows users to compare potential jobs by cost of living, crime, traffic, etc.
- My role was both Scrum Master and developer on our team of six

DebateTimers.com
- Developed to assist new judges with the logistics of timing debate rounds
- Built using HTML, CSS, and JavaScript

WSD Timer
- Android application built using Flutter to time World Schools Debate

Languages
- Python
- Java
- C/C++
- JavaScript
- PHP
- HTML/CSS
- R
- SQL

Frameworks
- React
- React Native
- Angular
- Flutter
- .NET Framework

Relevant Courses
- Data Structures & Algorithms
- Systems Programming
- Data Mining and Machine Learning
- Software Engineering
- Software Testing

Leadership
- Purdue CS Undergraduate Student Board
- Hello World Hackathon Mentor
- Purdue IEEE Code Café Mentor

Activities
- BoilerMake VI Hackathon
- Hello World Hackathon

Accomplishments
- 1st place Liberal Arts Oral Presenter at Purdue Undergraduate Research Conference
- ACM Undergraduate Teaching Assistant Award
- Outstanding Service to the CS Department
- Office of Undergraduate Research Scholar
- 1st Place in SigAPP Challenge