Noah Carlson

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noahcarlson.dev

EDUCATION

University of Utah— BCS Computer Science
FALL 2019 - Fall 2023 / Salt Lake City, Utah
- 3.7 cumulative GPA
- Student athlete on NCAA Swim and Dive, Fall 2019 - Spring 2023
- Athletics Director Honor Roll, Fall 2019 - Spring 2021
- Pac-12 All-Academic, 2020-2021

WORK HISTORY

University of Utah — Computer Science Teacher Assistant
August 2023 - Current / Salt Lake City, Utah
- Run course labs, help students 1 on 1 during help hours, and grade assignments

Motorola Solutions— Software Development Intern
May 2023 - August 2023 / West Valley City, Utah
- Member of the dev team tasked with creating an internal diagnostic analyzing application to be used by Motorola's support staff and customers.
- Maintained a data pipeline which included interacting with data warehouses, datapools, api's, and in-house manipulation of the data.
- Created new servlet api to increase data output from the server analyzer application which is currently in use by hundreds of customers
- Participated in an agile environment with sprint meetings and presentations.

Legrand Vantage— Software Engineer Intern
June 2022 - September 2022 / Pleasant Grove, Utah
- Lead the development of an ordering and styling application for smart- home appliances through a successful product launch.
- Discovered and resolved bugs in a large Visual Basic coding base.
- Worked on event listeners, user interface display, and a form for ordering, saving, and uploading using XML.
- Practiced Agile development with two-week sprints, user stories, tasks, story points, sprint planning, and reviews.
- Presented progress and future direction in daily stand-up meetings.

PROJECTS

Split-It
- A cost splitting app which allows people to join groups and split costs easily.
- React Native Javascript based app with a Firebase backend and a OCR receipt scanner. (Currently under development)

Portfolio Website
- React based web-app at noahcarlson.dev. Outlines more detailed information related to this resume.
- Displays a 3D model character created with Unreal Engine.
- Hosted by AWS and SquareSpace domains.

TA Application Website
- Created a website allowing students to apply to be TAs using ASP.NET Core.
- Managed a database to store information as well as implemented google authentication.

VOLUNTEERING

Thailand and Laos Service Trip — Rustic Pathways
June 2018 / Thailand & Laos

Hawaii State Athlete Representative — USA Swimming
August 2016 - August 2018 / Honolulu, Hawaii

TECHNICAL SKILLS

Languages
Java, Javascript, Python, C#, C++, C, Visual Basic, Matlab, Assembly, Lua, SQL, Bash, XML, JSON, CSV

Frameworks/RTEs/Libraries
React Native, React, NumPy, ASP.NET, Pygame, Bootstrap, Selenium

Tools
Github, Git, AWS, Docker, Azure Dev ops, Jira, Confluence, Artifactory, Firebase-Firestore, AWS, Unity, Unreal Engine

COURSEWORK
- Algorithms
  - Linear programming
  - Dynamic programming
- Software Practice I & II
  - Parallel programming
  - Sockets
- Engineering Probability and Statistics
- Linear Algebra
- Image Processing
- Artificial Intelligence
- Web Software Architecture
- Foundations of Data Analysis
  - Statistical modeling
- Computer Organization
  - Low-level programming (C and Assembly)

COMPLIMENTARY
- International Baccalaureate Diploma
- High School Valedictorian
- Utah Men's Swim and Dive Most Improved Male 2020