Dylan Alexander

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Passionate developer with experience in effectively and efficiently creating full-stack applications using a multitude of different languages and frameworks. Creative thinker and eager to learn, B.S. in Computer Science from Arcadia University achieved while also dedicated to excellence on the Men's Swim Team.

EXPERIENCE

Destro Machines - Software Development Intern - May 2022 to Present
- Develop full-stack applications for high end swim equipment
- Communicate between team members using Agile Workflow to achieve goals
- Work in React, .Net Core, Entity Framework, and Postgres using Js/Ts, C#, SQL to create a usable and immersive data visualization application

Skippack Swim Club - Swim Coach - June 2018 - Present
- Develop children's love for swimming while also leading them towards excellence in the pool
- Communicate effectively with parents and coaches to achieve goals

EDUCATION

Arcadia University - Glenside, PA - August 2020 to May 2024
Bachelor of Science in Computer Science

Achievements:
- Dean's List student (Spring 2021)
- Member of Men's Swim Team for four years while excelling in the classroom

Relevant Coursework -
- **Networking & Security**: Operating Systems, Intro to Network Security, Computer Organization & Architecture, Database Systems & Management
- **Programming**: Data Structures, Java OOP I & II, Website Development, Design and Analysis of Algorithms, Artificial Intelligence, Introduction to Data Mining, Computer Ethics, Research Writing CS

KEY SKILLS
- C#, Python, Javascript, Typescript, Java, SQL, Dart
- Docker, Git, .Net, Entity Framework, React, AWS (Lambda, Api Gateway, DynamoDb), Flutter
- Effective Communication, Problem Solving, Work Ethic

PROJECTS

Caring for Friends - *Flutter application supported w/ AWS & Amplify*
- Data visualization flutter phone app for non-profit organization
- Used Google Maps API to apply the traveling Salesman problem to find best-fit route
- Utilized Flutter, Dart & AWS (DynamoDb, Lambda, API Gateway)

NBA Compare - *React web-app implementing data scraping & ApexCharts*
- Mobile & Web optimized web-app utilizing React framework
- Queried NBA statistics for statistic comparisons as well as scrape web for headshots
- ApexCharts implemented for data visualization comparisons between two players

Diamond Data - *Data mining in Orange for classification and prediction of attributes*
- Search through big datasets and clean non-useable data
- Provided accurate predictions through the use of different classification techniques (kNN, Decision Trees, Naive Bayes)

CERTIFICATIONS
- Cloud Architecture (AWS Academy) - December 2022
  - Completed 40 hours of lectures, hands-on labs, and project work to develop understanding of cloud architecture
  - Credly