

Eric Pak

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Professional Summary

Software Engineer with a passion for learning. I am always looking for exciting opportunities and new challenges. I have a strong fundamental knowledge of OOP, Data Structures, and Algorithms. My preferred language is Java but I am always open to learning a new language or technology!

Skills

- Java, C#, Python, REST, Git, Junit, Javascript, HTML, CSS, Sass
- React, PHP, AWS EC2, AWS S3, SQL, MySQL
- Windows, Linux, macOS
- Object Oriented Principles(OOP), Data Structures, Algorithms, Design Patterns, Natural Language Processing(NLP), Agile

Education

University of Alaska Anchorage

Bachelor of Science - Computer Science
Minor - Computer Systems Engineering

Jan 2015 - Jul 2017

GPA 3.17

Software Engineering
Object Oriented Programming
Database Systems

Android Programming
Data Structures and Algorithms
Programming Language Concepts

Experience

Researcher/Programmer

May 2016 - Jul 2017

University of Alaska Anchorage

A data visualization program that pulls data from hundreds of documents using NLP to create a 3D visualization. Built with a pipeline of four modules that is contained in a website with user profiles.

- Reduced the time of processing data by over 95% by refactoring older slower code to use a Hashmap/Hashtree data structure opposed to an ArrayList
- Utilized Python NLTK to create networks of nodes
- Created Java applications to manipulate data files and visualize the data
- Worked in an Agile environment with a team
- Created user profile settings and project management on the website using PHP and MySQL

Projects

Deckard Cain: a Diablo 3 Discord Bot

March 2018

A Discord bot used to easily access information from the Blizzard API with simple commands.

- Created using Javascript, and Nodejs
- Integration with Blizzard API and OAuth 2.0 flow
- Used enmap-level for a persistent file-based database
- Hosted on AWS EC2 for 24/7 availability

Personal Portfolio www.ericpak.me

February 2018

A personal Website to be used as a portfolio, showcase some of my projects and a digital playground.

- Created using React, Javascript, and Nodejs
- Hosted on AWS S3 using AWS Route 53
- FireBase used to store some persistent data