

JOHN ALBERT

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[Portfolio](#) - [LinkedIn](#) - [Github](#)

TECHNICAL SKILLS

- *Languages:* Java, Python, C#, React, Javascript (Node.js)
- *Databases:* SQL, SQLite, NoSQL, MySQL, MongoDB
- *Frameworks:* Django, Flask, Asp.NET, MERN Full-stack (Mongoose, Express, React, Node.js)
- *Fundamentals:* HTML/HTML5, CSS, Bootstrap, MaterialUI, Data Structures, Algorithms
- *Other:* Github, AWS EC2 Deployment, BCrypt, Windows, Microsoft Office, Outlook, Six Sigma

TECHNICAL PROJECTS

National Parks Passport

01/2021

Description: Python project that gathered API data to neatly display all US National Parks. Users could add parks that they have visited to their virtual passports.

- Demonstrated ability to create a Full Stack Python Web Application in the Django framework. Utilized user login and registration with password encryption using BCrypt to ensure user information protection
- Effectively processed JSON data from multiple API calls, including Google Maps, Open Weather Map, and NPS. This data was formatted and displayed both on the front end and within the database for enhanced user experience.
- Utilized an SQLite database within Django to store and access user and National Park information, which boosted users' desire to revisit the website over and over.
- Employed Bootstrap, HTML/CSS and jQuery to craft the website pages for best user experience
- Successfully deployed application to Amazon Web Services (AWS) EC2 Instance in order to make the app available to users anywhere.

JQZ Events

02/2021

Description: User-friendly calendar app for creating events, inviting friends, RSVP-ing, and setting event reminders.

- Built a detailed C# ASP.NET group project full stack application that allowed users to create and manage their calendars.
- Successfully managed Github for hosting source code, version control, enabling each group member to create neat code simultaneously.
- Utilized MySQL for storing models, such as many to many friend connections, event reminders, and event RSVP's, querying the database to display relevant information to the user.
- Encrypted sensitive user information using ASP.NET Core's Identity to ensure user privacy.
- Imported System.Net.Mail to bring app full-circle, sending emails to users for event reminders, calendar invitations, and friend connection requests.

JQZ Developer Playground

04/2021

Description: Fun and informative application tool that invited users to build custom portfolios, present developing projects, solve algorithms, and view others' portfolios and projects.

- Built an indepth MERN (MongoDB, Express, React, Node.js) group project full stack application
- Processed API requests using Mongoose to a NoSQL MongoDB database for user information, portfolio details, algorithm prompts and project information
- Successfully managed Github for hosting source code, version control, enabling each group member to create neat code simultaneously.
- Utilized React for the client-end, building out a SPA (single page application) for the best user experience, using Bootstrap and MaterialUI components.

JOHN ALBERT

PROFESSIONAL EXPERIENCE

Sharpe Mixers – A Hayward Gordon Company*Manufacturer of mixers for the pulp, paper, chemical, pharmaceutical and sanitary markets; offering a wide design flexibility in order to meet particular requirements of each application and customer.***Shop Lead, Seattle, WA****11/2019 – 12/2020**

- Responsible for the on-time completion and oversight of all production tasks required, as well as processing assigned work orders and collaborating with the engineering team to ensure completion of all non-conforming reporting.

CNC Programmer, Machinist, Operator, Seattle, WA**7/2017 – 11/2019**

- Demonstrated ability to work quickly, consistently below suggested run times listed on work orders. Took on project of learning code, writing programs, calibrating, and operating a CNC machine that had sat idle previously

Zodiac Aerospace*World leader in aerospace equipment/ systems for commercial, regional & business aircraft, including helicopters and space applications.***CNC Machinist and Production Associate, Bellingham, WA****9/2015 – 7/2017****EDUCATION**

Coding Dojo | Full Stack Developer Certificate | Bellevue, WA**12/2020 - 4/2021**

- Immersive Full-Stack Training Program in Python, C# and MEAN

Hawaii Pacific University | Honolulu, HI**9/2011 - 5/2015**

- Bachelor of Science (B.S.) Degree in Applied Mathematics, Computer Science Minor

Whatcom Community College | Bellingham, WA**9/2009 - 6/2011**

- Running-Start Program to earn college credits

CERTIFICATES & TRAINING

- Bachelors of Science, Applied Mathematics with a Computer Science Minor
- Certificate of Achievement in Python, C#, and MERN Full Stack Applications, Coding Dojo
- CPR Certified

VOLUNTEER EXPERIENCE & AWARDS

- Dean's List - 2009-2015, Hawaii Pacific University and Whatcom Community College
- ACM International Programming Competition (ICPC) Contestant, Hawaii Pacific University, 2015
- Top Scholar Athlete, 2015, University Baseball Team
- Mathematics Tutor (Algebra, Statistics, Precalculus, Calculus) - 2012-2016