

JOHN ALBRIGHT

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EDUCATION

GENERAL PROGRAMMER CERTIFICATE 2020-2021
Relevant courses: Java Data Structures, C# Programming, Apps Programming for Apple Mobile Devices, Introduction to SQL, Web Page Development
Oakton Community College

TEACHING OF CHEMISTRY, B.S. 2014-2015, 2018
Minor: Math
University of Illinois at Chicago

MUSIC, B.A. 2009-2013
Minors: Chemistry, Computational Physics, Spanish
DePaul University

CERTIFICATION

JavaScript Algorithms & Data Structures 2021-2022
Front End Development Libraries
Back End Development & APIs
Free Code Camp

CS50 Introduction to Computer Science (working on final project) 2020-present
Harvard University [MOOC]

Introducción a la programación en Java 2021
Universidad Carlos III de Madrid [EdX]

Computational Thinking Using Python 2021
Massachusetts Institute of Technology [EdX]

Learn to Program: The Fundamentals 2020
University of Toronto [Coursera]

PROJECTS

JavaScript Calculator: Vanilla JavaScript webpage that calculates expressions with any PEMDAS operator; builds abstract syntax trees using stacks & queues

25 + 5 Clock: React.js webpage that switches between a break and session timer; uses hooks for state management and props to modify and reset times

Exercise Tracker: Express.js API that supports POST requests for user name creation and exercise logging (time/date, description); stores data using Mongo DB Atlas models; GET requests allow query parameters

Stocks - Investing Application: Flask application that communicates with IEX Cloud's API and a local SQL database; integrates AJAX to dynamically generate list of stock symbols when typing; handles HTML injections

Clients Search & Sort App: Java console application that interacts with an SQLite database and arrays; supports all CRUD operations; implements linear and binary search & bubble and insertion sort algorithms

SUMMARY

Actively seeking a software engineering role after 15 months of study: procedural programming (Sep-Dec 2020), OOP (Jan-Jun 2021), and web programming frameworks/libraries (Jul 2021-present).

Former teacher/tutor with 6 years of experience in public schools (Spain & Chicago) and tutoring centers in/near Chicago (C2 & Mathnasium) and abroad.

PROFESSIONAL EXPERIENCE

Northwestern University 2020 (online)
Civic Education Project (CEP) 2019 (Evanston, IL)
Teaching Assistant

- Assisted the main instructor of a summer service learning course with classroom tasks
- Led activities on Zoom, recording calls, taking notes, and managing breakout rooms
- Kept student records using Schoology and served as a liaison between Center for Talent Development (CTD) and CEP staff

Ministerio de Educación 2019-2020
IES Andreu Alfaro Paiporta, Valencia, Spain
English Teaching Assistant

- Co-taught English to students aged 14-16 in a bilingual public school (Valencian/Spanish)
- Prepared activities focused on conversation, grammar, music lyrics, and US culture (holidays)
- Created English & US culture YouTube videos, writing subtitles in English (Mar-May 2020)

SKILLS

Programming Languages: JavaScript, Python, Java, C#, C, SQL (Oracle & SQLite), Swift (new), PL/SQL (new), HTML, CSS/SCSS, Markdown

Foreign Languages: Spanish (C1/Advanced), Portuguese/Galician (B1/Intermediate)

Systems: Mac OS X, Windows, Linux (Terminal)

Software & Platforms: Git, MS Visual Studio Code (default for all), MS Visual Studio (C#), Eclipse (Java), Xcode (Swift), Oracle SQL Developer, MS Office Suite (Access, Word, Excel, PowerPoint), Replit, CodePen.io

INTERESTS

Music (singer & pianist; listening to pop and R&B from Brazil or Spain these days), life abroad (lived in two bilingual regions of Spain), travel (20+ countries), linguistics (fascinated by etymology & phonetics), language learning (studying French & Japanese now)