

Alex S. Wong

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Education

Harvard University

Cambridge, MA

MASTER OF LIBERAL ARTS - DIGITAL MEDIA DESIGN GPA 3.81

Expected May 2022

- **Relevant Coursework:** Big Data Analytics, Functional and Stream Programming for Big Data Systems, Fundamentals of Cloud Computing, Fundamentals of Website Development, Intro to Mobile App Development, Java Enterprise Development, Visualization, Web Programming Using JavaScript

Columbia University

New York, NY

MASTER OF SCIENCE - COMPUTER SCIENCE

May 2019

- **Relevant Coursework:** Analysis of Algorithms, Approximation Algorithms, Artificial Intelligence, Computational Complexity, Computer Networks, Machine Learning, Natural Language Processing, Social Networks

University of Washington

Bothell, WA

BACHELOR OF SCIENCE - COMPUTER SCIENCE AND SOFTWARE ENGINEERING

Aug. 2015

- **Relevant Coursework:** Database Systems, Data Management, Hardware and Computer Organization, Operating Systems, Network Design, Software Analysis and Design, Software Engineering

Skills & Technologies

Languages

JAVA, PYTHON, C#, JAVASCRIPT, HTML, CSS, SQL

Tools

GIT, LINUX, AWS, MICROSOFT AZURE, APACHE MAVEN, WEBSTORM, INTELIJ IDEA,

VISUAL STUDIO, VSCODE

Frameworks/Libraries

REACT, BOOTSTRAP, D3.JS, DJANGO, SPRING

Databases

MYSQL, AZURE STORAGE, NEO4J

Experience

Columbia University

New York, NY

TEACHING ASSISTANT

Sept. 2017 - June 2018

- Teaching Assistant for the Artificial Intelligence class on edX.
- Held live Q&A sessions and answered over 200 questions on the class discussion board relating to course content and course programming projects.
- Created and modified grading scripts for automated grading of course programming projects.
- Assisted with restructuring and adding additional content (knowledge checks, quizzes, additional criteria for programming projects) for future iterations of the course.

Boeing

Renton, WA

LEAD MAINTENANCE TECHNICIAN

Jan. 2013 - Present

- Lead a team to oversee equipment maintenance processes and procedures for the 737MAX Return to Service project.
- Optimized equipment rental needs for the 737MAX Return to Service project, saving approx. \$80,000/month.
- Lead a project involving the teardown, relocation, and installation of wing panel riveting equipment, reducing equipment footprint by 25%.
- Provided extensive design input on the maintainability of multiple manufacturing assembly lines, improving ergonomics and maximizing productivity.

Projects

IB Algorithm Grade Fairness

INVESTIGATED THE FAIRNESS OF AN ALGORITHM THAT DETERMINED GRADES FOR STUDENTS DURING THE COVID-19 PANDEMIC.

UTILIZED D3.JS TO GENERATE VISUALIZATIONS FROM DATA GATHERED ON STUDENTS' GRADES. WEBSITE BUILT USING

BOOTSTRAP AND HTML/CSS/JAVASCRIPT.

wongalex.io

PERSONAL WEBSITE BUILT USING REACT TO SHOWCASE MYSELF AND MY RECENT PROJECTS. HOSTED ON AWS UTILIZING AWS ROUTE 53 AND AWS AMPLIFY.