

Karl Brown

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Full Stack Software Engineer with 2.5 years of experience seeking a Software Engineering position involving C# and/or Angular2/4 and/or Java and/or Python.

SKILLS

PROGRAMMING

Core Skillset:

C# • HTML • Git • Angular4 • TypeScript
• JS • CSS

Proficient At:

SQL Server • ASP.NET • Java • Python •
Bootstrap • JQuery • Linux • PHP

Familiar With:

Android • Ajax

LINKS

LinkedIn [linkedin.com/in/thekbrown](https://www.linkedin.com/in/thekbrown)

Github github.com/thekarlbrown

EDUCATION

CHRISTOPHER NEWPORT UNIVERSITY

BS IN COMPUTER SCIENCE

Minor in Philosophy/Religious Studies

August 2015 | Newport News, VA

GPA: 3.45

LANGLEY HIGH SCHOOL

AP COMPUTER SCIENCE/STATISTICS

May 2010 | McLean, VA

COURSEWORK

GENERAL ASSEMBLY

Data Science

UNDERGRADUATE

Algorithms

C++ Programming

Cryptography and Network Security

Android Mobile Computing

Operating Systems II

Linear Algebra

AWARDS

2015

1st - Undergrad Capstone Software Faire

EXPERIENCE

DDC PUBLIC AFFAIRS | SOFTWARE ENGINEER

August 2015 – Present | Washington, DC

- Developed Angular2/4 Frontend for numerous Web Applications including a Leaflet-based Map Tool and wrote Angular2/4 services and components
- Developed C# API services and applications using .Net Framework, Entity Framework, Stored Procedures, ASP.NET, Nuget Package Manager and Jenkins
- Trained intern in Unit Testing C# API Services using XUnit and Moq
- Learned about Software Development lifecycle in the Agile methodology
- Created Salesforce Integration using Fuel SDK for Boeing and with coworkers implemented Load Balancing and Multithreading
- Hardened products based on security scans to protect against XSS, CSRF, and other vulnerabilities
- Expanded Wordpress PHP codebase including an implementation of SAML SSO utilizing C# API'

CONTRACT COMPUTER SCIENCE WORK

July 2008 – January 2015 | McLean, VA

- Deployed operating systems, and security software and hardware to harden patient privacy for a medical professional
- Utilized my knowledge of Desktop Assembly and communications skills to build desktops that met the budget and technical specifications of customers
- Employed my understanding of individual's needs, required time frames, and computer science to ensure a satisfactory customer experience
- Negotiated contracts transacted via written agreement

PROJECTS

GREED ALGORITHM | JAVA

August 2017 | McLean, VA

- Analyzed Greed dice game and developed Java Algorithm aimed at gleaning strategic insight into tactics
- Isolated key point values where specific good decisions could become bad decisions
- Simulated hundreds of millions of rounds of game repeatedly and tweaked key point values accordingly based on average score per round
- Explored future utilization of Algorithm aimed at obtaining the perfect key point values involving AWS and Multithreading

ALEXA SKILLS | PYTHON, AWS LAMBDA

July 2017 - August 2017 | McLean, VA

- Developed multiple Alexa Skills using Python and AWS Lambda functions
- Powered Alexa Skills via WMATA Metro, Yelp, and Google Calendar API's
- Expanded Alexa skillset via Alexa Dev Days conference in DC and personal research
- Applied acquired knowledge to improve User Experience and solve Speech to Text challenges