

# Karl Brown

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Full Stack Web Application Developer with 3 years of experience seeking position involving C# and/or Angular2-6 and/or Python.

## SKILLS

### PROGRAMMING

Core Skillset:

C# • HTML • Git • Angular5 • TypeScript  
• JS • CSS • TFS

Proficient At:

SQL Server • ASP.NET • Python •  
Bootstrap • JQuery • Linux • SSRS • RXJS  
• PHP

Familiar With:

Jenkins • Ajax • AWS • Java

## LINKS

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

### EXPOVISION | WEB DEVELOPER

February 2018 – Present | Falls Church, VA

- Architected features that utilized ASP.NET MVC 5 C# and Angular4 starting at UML diagrams and whiteboarding and finishing with writing and testing code going through the full Software Development Lifecycle, including a email control component and template service which featured SSRS
- Identified and resolved Angular4 bugs in codebase with and without prior direction
- Wrote ASP.NET MVC 5 C# controller endpoints and wired them to Angular4 components and services
- Filled numerous roles including Architect, Developer, QA and PM while undergoing the Software Development Lifecycle
- Learned and implemented C# design patterns including Factory and Strategy patterns

### DDC PUBLIC AFFAIRS | SOFTWARE ENGINEER

August 2015 – February 2018 | 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 Core, 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's

## PROJECTS

### PREDICTTHAT | PYTHON, MYSQL, LINUX, MACHINE LEARNING

June 2018 - Present | McLean, VA

- Deployed Linux Server which utilized MySql, Python, and Cron Jobs to power a data pipeline
- Performed predictive analytics using machine learning and financial analysis
- Created a profitability model for trading advantageously on PredictIt

### 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