

Karl Brown

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SKILLS

PROGRAMMING

Core Skillset:

HTML • Git • C# • Python

Proficient At:

Java • JS • CSS • SQL Server • Linux •

PHP • Angular2

Familiar With:

JQuery • Android

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

Grad. May 2010 | McLean, VA

COURSEWORK

UNDERGRADUATE

Algorithms

C++ Programming

Cryptography and Network Security

Android Mobile Computing

Operating Systems II

Linear Algebra

AWARDS

2015

1st - Undergrad Capstone Software Faire

EVENTS

2015

ACM Programming Competition

hackUVA Hackathon Coding Competition

2014

CNU Hacking Capture the Flag

EXPERIENCE

DDC PUBLIC AFFAIRS | SOFTWARE ENGINEER

August 2015 – Present | Washington, DC

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

SELF EMPLOYED | CONTRACT COMPUTER SCIENCE WORK

July 2008 – January 2015 | McLean, VA

- Employed my understanding of individual's needs, required time frames, and computer science to insure a satisfactory customer experience
- Negotiated contracts transacted via written agreement
- 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

US PATENT AND TRADEMARK OFFICE | TECHNICAL PATENT EXTERN

May 2012 - July 2012 | Alexandria, VA

- Worked with Patent Examiners and experienced a professional fast-paced government workplace
- Received, Understood, and Documented first technical case (new invention kept secret from public)
- Learned job-relevant knowledge of US Patent and Trademark Law and underwent Patent Examiner training

PROJECTS

CAPSTONE: CHANGE THE WORLD | FULL STACK DEVELOPMENT

January 2015 - April 2015 | Newport News, VA

- Envisioned then developed Android Application using Java in Android Studio
- Utilized PHP/Debian/MySQL Workstation/Photoshop
- Transformed my developer mindset and approach to UI/UX design
- Implemented algorithms such as mergesort client-side