

Karl Brown

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EDUCATION

CHRISTOPHER NEWPORT UNIVERSITY

BS IN COMPUTER SCIENCE

Minor in Religious Studies/Philosophy
Expected Fall 2015 | Newport News, VA
Cum. GPA: 3.49

LANGLEY HIGH SCHOOL

AP STATISTICS/COMPUTER SCIENCE
Grad. May 2010 | McLean, VA

LINKS

Github:// [thekarlbrown](#)
LinkedIn:// [thekbrown](#)

COURSEWORK

UNDERGRADUATE

Algorithms
C++ Programming
Cryptography and Network Security
Android Mobile Computing
Operating Systems II
Linear Algebra

SKILLS

PROGRAMMING

Mastery:
Java • HTML • Android
Proficiency:
C++ • Python
Familiar:
MySQL • PHP • CSS • JavaScript • Git

OS EXPERIENCE

Server Linux:
OpenVPN • nginx • MySQL
Penetration Testing:
Metasploit • Kali Linux

DESKTOP ASSEMBLY

Overclocking:
Took i7 to 4.0 GHz Stable from 2.66GHz
Experience:
Component Balancing • Built 10 Desktops

EXPERIENCE

CAPSTONE: CHANGE THE WORLD | FULL STACK DEVELOPER

January 2015 - Present | Newport News, VA

- Envisioned then developed Android Application using Java in Android Studio
- Utilized PHP/Debian/MySQL Workstation/Photoshop
- Mastered ability to develop and program modularly
- Implemented algorithms such as mergesort client-side

TKB | CONTRACT COMPUTER SCIENCE WORK

July 2008 - January 2015 | McLean, VA

- Employed my understanding of individuals 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

USPTO | 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

LEADERSHIP

TEAM CAPTAIN | CNU CS:GO TEAM

Spring 2015 - Present | Newport News, VA

Utilized past experience to plan practices alongside team members, Designed better ways for team to improve individually and in tandem, Led team against other Colleges in the NCESPA League and via own initiative

TEAM CAPTAIN | CNU LoL TEAM

Fall 2012 | Newport News, VA

Selected team members and subs from list of interested candidates based on skill, Organized practices, Led team against other Colleges in the IvyLoL League

EVENTS

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| 2015 | hackUVA | Hackathon Coding Competition |
| 2014 | CNU CTF | Hacker Capture the Flag |

SOCIETIES

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| 2015 | National | Association for Computing Machinery |
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