David Kroell

1000 University Place • DSU Box No. 3733 • Newport News, VA 23606
(703) 624-3056 • david.kroell.14@cnu.edu

Education

Christopher Newport University - Newport News, VA   **GPA 3.69**
Bachelors of Science in Computer Science and Computer Engineering
                                                        Expected Grad: May 2018

- Courses include: Programming, Physics (Calculus integrated), Calculus (Intermediate), Spanish (Elementary), Engineering Design
- Member, and Secretary of the Association for Computing Machinery (ACM)
- Member, and Secretary of Institute for Electronics and Electrical Engineers (IEEE)
- Member of the Unmanned Areal Systems (UAS) club at CNU.

New Cairo British International School - Nasr City, Cairo, Egypt International
Baccalaureate Diploma Program (IB)   *(July 2014)*
IB Score: 33 - GPA: 4.2/5.0

- Took on leadership and teaching roles with the Model United Nations, and Programming lessons at the school.
- Coursework included creating a database in Microsoft Access, and programming in Visual Basic for a hotel, which managed customers, and billing, as well as hotel operations, and a record of all rooms in the hotel. I was also in charge of designing the user interface.

Work Experience

Christopher Newport University: Open Source Software Developer *(Internship)*
February, 2015 – Present

- **Position is part time at the University**, I help out with projects that the University participates in, and also I go into Software development of Open Source projects. Projects such as **Ushahidi,** or **Sahana Eden**.

Applied Computer Science / Personal Skills (GitHub: DiZ73)
(www.dkroell.com)

Cipher Program

- Designed, developed, and engineered a program that encrypted and decrypted messages using a specific algorithm that he developed.
- Application included a simple interface with instructions, and good functionality.

Computer Science

- Knowledgeable on Object Oriented Design
- **Advanced Programming Knowledge:** Java, Python, SQL
- **Intermediate Programming Knowledge:** Ruby, C++, JavaScript **(Knows NodeJS)**
- Familiar with JavaScript and Node.js to build JSON-Servers for unmanned aerial vehicles in UAS club on campus, this along with MAV Link integration.
- Worked with open-source projects before. Had experience in the Dominion Enterprises Hackathon. Created a Fitness web application. Managed Back-end.
- Knowledgeable about basic network systems and their mechanics of how they work.