

Yosef E. Gamble

Software Engineer | Security Researcher

Email: yegamble@gmail.com, Mobile: +1 (202) 573-9442, <https://linkedin.com/in/yosefgamble> , Skype: yegamble

Interests Blockchain technology (Applications in Fintech and identity verification).
Quantum Cryptography.

Education

2013 – 2016 **Central Washington University, Ellensburg, WA**
Computer Science

- Participated for 1 year in the Association for Computing Machinery (ACM) Club.
- Voting Member of Student Technology Fee Council 2013-2016.
- 2015 CWU Presidential & Vice-Presidential Award recipient.
- Elected Student Government President for the 2014-2015 academic year.

Courses: Advanced Software Engineering, User Interface Design, Design Patterns, Computer Modelling (Mathematica), Principles of Language Design I & II (C/C++ Programming), Web Development.

Technical Skills

Java, C++, C, Wolfram Language, HTML5, CSS, PHP, SQL, PostgreSQL, Node.js, JavaScript, ASP.NET, Git/Mercurial, SEO, WordPress, Drupal, Linux, Windows, Server Administration, Penetration testing, Blockchain.

Relevant Experience

March 2015 –
June 2015

Yu-Gi-Noh!

Turn based RPG game framework for Software Engineering team project written in Java allowing developers to input their own playing cards and characters into an SQLite database. Framework contained default game based on Yu-Gi-Oh characters but allowed for game developers to create their own game from scratch with no or minimal coding.

- Mentored team on good version control practices using Source Bucket and GitHub.
- Developed extensible classes for playing card characteristics and card playing fields.

Sept. 2014 –
March 2015

Poseidon's Justice Senior Project **Team Lead**

- Led team of students in an agile project management environment, to develop a web program for the Geography Department to simulate flood and drought scenarios of local area reservoirs.
- Designed and helped execute PHP script that followed Object Oriented Programming principles.
- Facilitated meetings between team members and clients. Learned to work independently and in a group setting.
- Enforced version control through Git and Quality Assurance (QA).
- Using principles of clean, Object Oriented Programming/Design to allow for team members to easily change PHP script to make the simulation more accurate according to requirements.

Sept. 2014 –
March 2015

Computer Science Dept., Central Washington University **Teaching Assistant**

For 2 academic quarters I helped students learn the principles of programming using Visual Basic, and assisted the instructor with grading assignments. By the end of the course, I mentored students in order to accomplish the following:

- Abstract a problem from its English description.
- Sub-divide the problem into appropriate segments, develop solutions for each segment, and then integrate them into a programming solution.

- Use selection and repetition to solve interesting problems.
- Implement functions and sub routines to decompose a program solution into component parts.
- Retain a permanent record of data by writing to file; read a file and store the information in memory.
- Use arrays to store and work with data.
- Design test cases and successfully debug programs.

July 2013

Aral Sea Evaporation Model

Wolfram Mathematica research project for Computer Modelling course at Central Washington University. The purpose is to predict the year when the Aral Sea in northwestern Uzbekistan will completely evaporate. In the 1960's, the Amu Darya and Syr Darya rivers were diverted to grow cotton, melons, among additional commodities in demand throughout the Soviet Union, causing the Aral Sea to shrink.

Using common logarithms to predict the pattern of evaporation, I was able to predict that the Aral Sea will evaporate completely by 2034.

Additional Experience

Sept 2015 –
March 2016

Campus Life Administration, Central Washington University Leadership Consultant

My role as leadership consultant is to advise the executive board of the club Brother to Brother, a chapter of the Student African American Brotherhood (SAAB), which is dedicated to the academic and professional success of men who attend Central Washington University. Included developing of social media program, creating essential tools and documents for operating and fundraising, organizing events, and presenting workshops on leadership and professional skills.

- Developed constitution and inaugural strategic plan
- Created and maintained the informational website in Drupal
- Secured \$28,000 in funding to send members to the 2016 SAAB National Conference in Dearborn, Michigan

June 2014 –
June 2015

Associated Students of CWU Student Government, Ellensburg, WA President

I was responsible for overseeing all student government operations that help improve Central Washington University. Duties include sitting on the student government committees, meeting with the President of Central Washington University, having working knowledge of the ASCWU By-laws and constitution; maintaining a working relationship with 6 student government vice-presidents, and office staff.

- Developed CWU's first class ring program
- Successfully lobbied for nearly \$100 million in capital budget projects for the 2015 Washington State Legislative Session
- Facilitated meeting between students and WA State Governor Jay Inslee
- Hosted Passport Day, for students/faculty/community to apply for passport on campus
- Initiated a successful pilot program to install printing stations in residence halls
- Improved communication and shared governance between students and university Administration

Awards and Honors

May 2015

CWU Presidential and Vice Presidential Leadership Award

Awarded in honor of outstanding leadership, dedication, and service to the Central Washington University Community.

Additional Skills

- Proficient in the use of Microsoft Office, including Excel, and Adobe Creative Suite. Skilled at penetration testing websites, server environments, and wireless networks.
- Full clean driving license.
- Basic reading/writing Russian & Dutch. Basic conversational French.