
OBJECTIVE

Looking to obtain a position as a Software Engineer intern that would allow me to use and develop my skills while exploring the workings of the industry and helping to achieve the goals of the company.

QUALIFICATIONS

- Fluent in English, advanced in French
- Strong problem-solving and debugging abilities
- Enthusiastic about learning new skills and technologies
- Self-motivated, resourceful and hard-working
- Good knowledge of operating systems concepts
- Good knowledge of networking concepts (Ethernet, TCP/IP)
- Advanced knowledge of C and Java

WORK EXPERIENCE

June 2012 – August 2012

3DUPB MMO Programming Project

The purpose of the project was creating a Second Life-like MMO virtual space comprising the UPB campus. Worked in a **team of four** tasked with modelling the environment (terrain, vegetation, buildings, accessories) using **OpenSimulator**. The task was completed successfully.

June 2012 – August 2012

mReady Augmented Reality Workshop

Developed several applications for the **Android** platform, including a **Note Editor**, a **Twitter client** with **geolocation** support and an **augmented reality** application over GoogleMaps. Used **Java** with the Android SDK for the basic applications and **Unity** for the augmented reality project.

Personal Project: Link-State Routing Protocol Simulator

The project was written in **C++**. It simulated a network of routers connected through point-to-point links. The network could handle events such as the addition of a router or the failure of a link. Routers communicated through link-state advertisements, database requests and database replies. They maintained several data structures, including a routing table and a topology table. The routing process itself used Dijkstra's algorithm. The project was tested on a **Linux** platform.

Personal Project: UNIX Mini-shell

The purpose of the project was understanding the way processes work on a UNIX system, particularly the `fork()` and `exec()` system calls. The shell relied on an already implemented command parser. The final version supported simple commands, commands with arguments, redirects, environment variables, sequential, parallel and pipe operators. It was written in **C** and tested on **Linux**.

Personal Project: Command line e-mail client

The project was written in **C** and used **socket programming**. It involved a simple utility for sending and retrieving e-mail messages using well known protocols SMTP and POP3. It connected to the remote servers using a

configuration file and also implemented a basic spam filter using another configuration file which contained a list of words and frequency thresholds. The project was developed and tested on **Linux**.

Personal Project: Command line file-sharing and chat tool

The project was also written in **C** and used **socket programming**. It consisted of a server executable and a client one. The server could handle multiple clients. After they connected with unique usernames, the clients could join messaging lists and exchange messages and files with an entire list or a certain member. The project was developed and tested on **Linux**.

Personal Project: Facebook Match Finder

This was a **Java EE servlet** application. The application collected data related to likes given/received, comments and photo tags and computed a compatibility score for each of the user's Facebook friends. The list was then sorted and displayed in a **JSP** page, including scores, names and profile pictures. The purpose of the project was to understand and use an **API** implemented in Java and to interact with an already existing data infrastructure. The project was developed and tested on a **Windows** platform.

EDUCATION

Politehnica University of Bucharest, Romania

2009 - Present

The Faculty of Automatic Control and Computer Science

Enrolled for a Bachelor's Degree in Computer Science, currently in fourth year of study
Undergraduate Student, expected graduation date: July 2013

"I. C. Brătianu" National College, Pitești, Romania

2005 - 2009

Computer Science and Mathematics Major
Graduated with Honors

OTHER

Politehnica University of Bucharest, Romania

2011 - Present

Cisco Networking Academy

Enrolled in the CCNA program, completed CCNA1, 2 and 3
Currently studying for CCNA4

INTERESTS AND ACTIVITIES

Programming, Networking, Gaming, Sports

REFERENCES

Available upon request.