

Alexandre Stelzig

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Summary of Qualifications

- Fourth year Software Engineering student at the University of Ottawa
- Proficient in multiple programming languages including: Java, C++, React, NodeJS, etc.
- 2+ years of work experience in agile development environment
- Designed and implemented multiple applications (available at AlexandreStelzig.github.io)
- Fast learner and work well independently as well as a team member
- Fluent in English and French, upper-beginner in Korean

Education

Bachelor of Software Engineering

September 2014 to present

University of Ottawa, Ottawa, Canada

(expected graduation: December 2018)

Exchange student for one semester at Dongguk University in South Korea

Work Experience

Specialist Verification

September 2017 to February 2018

Airbus Communications

(6 months internship)

- Performed systems verification activities of the VESTA 911 application which is used by emergency call operators
- Wrote and fixed automated verification software test cases using Robot framework
- Expanded my knowledge of TCP/IP, VoIP and SIP as well as Computer Systems and IP Networking
- Designed and implemented a Python/C# error reporting module with a colleague which was used to report console errors during automation and development

Software Tester

January to April 2017

You.I TV

(4 months internship)

- Tested applications on iOS and Android mobile devices, Amazon Fire TV, Apple TV
- Judged whether an application meets the acceptance criteria of the user stories
- Worked with an agile/scrum-based development team (two weeks sprints)
- Became efficient with Git, bash scripting, Jenkins, Jira, C++
- Collaborated with coworkers for testing and bug resolution throughout the project's software development lifecycle
- Expanded my software and testing knowledge by working with multiple teams on different projects

Junior Programmer

May 2015 to July 2016

Canada Revenue Agency

(7 months internship + part time)

- Worked with an agile-oriented maintenance team on a large scale project
- Collaborated with other testers and developers to create test plans, write automated test cases, execute tests and track bug reports (JIRA)
- Performed minor bug fixes and development tasks

Software Development

(more at AlexandreStelzig.github.io)

- *The Magical Farmer* - Unity3D video game with 1.5 to 2 hours of gameplay created in one month for the introduction to 3D video game class in Dongguk University (South Korea)
- *You Know Eh?* - A flash card Android application that helps with the memorization of foreign languages words (Android studio, Java, SQLite database)
- jello-aelj.github.io - University of Ottawa's Japanese club website (HTML/javascript/css)
- *Goal Tracker* - Android application that keeps track of daily and weekly goals
- Wrote multiple rudimentary 2D game engine from scratch in Java and C# (player movement, collision detection, tile maps, basic animation, etc.)
- Full-stack using React, NodeJS, Postgres DB and AWS for a 1 year Software Engineering capstone project at school

Skills

Computer skills:

- Java, C#, C++, C, Monogame, Javascript, SQL, Android, Python
- HTML, CSS, Bootstrap, ASP .NET, React JS, Node JS express
- Git, Command lines, Charles proxy, RFT scripting, JIRA, Eclipse, VS, Xcode, Unity

Team leadership:

- Team leader for various school projects, such as the creation of an android application and website for school's projects
- Responsible for ensuring that all tasks are completed before the deadlines

Engineering:

- Problem solving, Quick Learning, Adaptable
- Inquisitive, analytical, and strong attention to detail
- Experienced using design patterns and efficient algorithms
- Documentation
- UX designs

Communication:

- Strong communication and collaboration abilities
- Fluent in both French and English, upper-beginner in Korean

Soft Skills:

- Work well both in a team and individually, Open-Minded, Enjoys new challenges, Organized, Motivated, Quick learner

Volunteering

Treasurer

February to December 2017

Japanese Learning uOttawa club

- Managed the club's money and delivered weekly presentations in-front of 50+ club members

Move-In Volunteer

September 2015/2016/2017

University of Ottawa

- Welcomed and helped freshmen to move in the dormitories during the move-in week

Buddy program

December 2014 to present

University of Ottawa

- Helped international students to adapt more easily to new cultural surroundings