Marcin Urbański

Software Engineer

Creative, hard-working and responsible person seeking a job to expand interests and enhance qualification in the field of computer science. Developed a professional approach to work, that focuses on task completion and meeting tight deadlines. Well experienced in working as a part of a team and focusing on achieving collective goals. Skilled in tackling problems in a logical manner. Constantly searching for the opportunity to face new challenges and gain further experience.

Contact me

Experience

Sør-Trøndelag University College in Trondheim, Norway

Intern as Software Developer • Aug, 2015 – Jan, 2016

Preparing UML diagrams and coding in Java and ActionScript/Flex.

Javeo

Junior Software Developer • May, 2015 – Aug, 2015

Mostly Android development and Java backend programming.

Samsung R&D Poland

Junior Software Engineer • Oct, 2014 – May, 2015

I learned how to work using TDD and BDD methodology. In addition to being Java Developer I also get to know technologies like Groovy, Scala, Angular JS, Node JS, Karma and Jasmine.

Samsung R&D Poland

Intern • Jun, 2014 – Sep, 2014

I was responsible for developing Jira, Confluence and Bamboo plugins to automate a work process in that systems. Mostly I was using Java (including Java EE) and Javascript. I also created Android app - Smartmouse, which changed smartphone into computer mouse. During intern I fell in love with Agile.

Copernicus Science Center in Warsaw

Science Communicator • Apr, 2011 – Dec, 2012

Showing experiments mainly in a field of optics, but as well in human anatomy, anthropology and zoology to wide range of visitors, mostly children and teenagers and explaining the basic optical phenomenon of interference, diffraction, polarization to groups of school students

Programming skills

★ ★ ★ ★ ☆   **Java**

★ ★ ★ ☆ ☆   **Android**

★ ★ ☆ ☆ ☆   **Scala**

★ ★ ★ ★ ☆   **ActionScript/Flex**

★ ★ ★ ☆ ☆   **Javascript**

★ ★ ☆ ☆ ☆   **Python**

★ ★ ☆ ☆ ☆   **Kotlin**

Personal skills

Communication

Developed a wide range of communication skills needed to maintain contact with visitors and explain them scientific concepts while working in Copernicus Science Center as Science Communicator

Team Work

Worked as a part of a team in the gallery exhibition while volunteering at Copernicus Science Center, sharing tasks and responsibilities with other team members in order to achieve the team goals

Time-Management

Being a student I successfully managed time connecting studies with working.

Leadership & Responsibility

Responsible for the coordination of the work of subordinates while being elected as a shift-manager in Copernicus Science Center

Problem Solving & Critical Thinking

Acquired planning and budgeting skills while traveling around East Asia, faced a number of problems that occurred on a way, learned how to handle difficult and unexpected situations

Education

Warsaw University of Technology

Faculty of Electronics and Information Technology

Engineer Degree, Computer Science • Oct, 2011 – Feb, 2015

- GPA – 4.26/5.00
- Engineer Thesis – 5.00/5.00
- Engineer Thesis • defence – 5.00/5.00

Engineer thesis: *Steganography in mobile devices and its detection*
Led by: D.Sc. Wojciech Mazurczyk

I implemented cover steganographic channels between two applications in Android OS. These channels were important for security reasons, because they could deceive Android Permission System - may lead to privacy leaks or deceive two factor authentication

I invented four new covert channels, i.e. Memory Load - covert channel, which could provide hidden communication between the processes using memory load of sending module

I also prepared three algorithms, which could help to detect steganography by statistics of device

I was a part of international team, which was involved in resources and development of steganography. Currently we are working on paper, in which we will describe new possibilities in steganography detection in mobile devices.

Jan Kochanowski's VI L.O. in Radom

Highschool • Main subject: Math, Physics and Computer Science
Sep, 2007 – Oct, 2010

I passed my final exam with great grades:

- Extended Math – 96%
- Base Math – 98%
- Extended Physics – 83%

Courses

Programming Mobile Applications for Android Systems: Part 1

Grade Achieved: 98.2% • University of Maryland, College Park on Coursera
Certificate earned on September 30, 2015

Programming Mobile Applications for Android Systems: Part 2

Grade Achieved: 99.2% • University of Maryland, College Park on Coursera
Certificate earned on September 30, 2015

Programming Mobile Applications for Android Systems: Concurrency

Grade Achieved: 99.8% • Vanderbilt University on Coursera
Certificate earned on November 16, 2015

Recognition

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1. Scientific paper about steganography in mobile devices

Seeing the Unseen: Revealing Mobile Malware Hidden Communications via Energy Consumption and Artificial Intelligence

L.Caviglione, M.Gaggero, J-F.Lalande, M.Urbanski, W.Mazurczyk • 2015

2. Scientific paper about steganography in mobile devices

Move Together and You are Dead: Detecting Local Covert Channels Using Process Activity Correlation on Android Smartphones

M.Urbanski, W.Mazurczyk, J-F.Lalande, L.Caviglione • 2015

Associations

Ikar • Sailing Club • Jedlnia-Letnisko
Member • 2015 — Present

Help with sailing duties and training.

How I spend my free time?

- ♥ Sailing
- Getting lost in unknown places
- **Drawing**
- Steganography
- Literature of absurd fiction
- Eating potatoes