

Pawel Rozniecki

Junior/Graduate Software Engineer



Personal

Name Pawel Rozniecki
Birthday 31/05/1997 (21)
Nationality Polish
Languages Polish(Mother Tongue),
English (C1 level)
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Skills

Skill	Years' Experience	Skill Level
JAVA	3 years	Expert
MySQL	3 years	Intermediate
HTML5/CSS3	5 years	Intermediate
JavaScript	2 years	Intermediate
PHP	1,5 years	Intermediate
Git	1,5 years	Intermediate
JUnit	1 year	Novice
C++	1 year	Novice

Communication skills

- Excellent english communication skills gained living abroad in UK for 11 years (2007-2018)

Organisational/Managerial skills

- Good team working skills acquired during many group projects at a University

Academic and Personal Projects

Football scores prediction app (September 2018)

I've created a desktop app for a client that wanted to automate the process of copying information from the website and calculating different statistics such as a probability of winning a match based on the match history of the team and league rankings. For this freelance work I've used Jsoup library to parse and extract bits of information from a website as well JavaFX, for creating nice graphical user interface that displayed the statistics in a table format.

Unit Converter app (July 2018)

I've created a quick android application that helps me to convert essential units in my day to day life. Many unit converters that are on google play store have complicated or poorUI. My app uses Google's Material Design to make the UI intuitive and aesthetically pleasing. I plan to add more units and a currency converter, in the near future.

Algorithmica E-Learning platform (2017-2018)

For my final year project I've created an e-learning website that offers fun and engaging learning experience for anyone wanting to learn algorithms. The website has interactive animations, quizzes, and social learning element. Users can create their own online accounts, in order to post comments and/or Questions that can be answered by other users. I've tried to make learning experience rewarding so I've added ability for users to earn medals for completing various challenges. I've used **PHP, HTML5/CSS3, Angular, MySQL, JavaScript** and **P5.js** library. This is the list of algorithm animations that I made in Javascript:

- A*
- Breadth First Search/DepthFirstSearch
- Merge Sort
- Bubble sort
- Heapsort

- Excellent multitasking skills ,gained at a University. Ability to work on many projects at once under strict deadlines.

Job Related Skills

- Ability to learn quickly new technologies
- Understanding of TCP/IP
- Basic knowledge of C/C++ programming, gained in 1st year at University. I'm not confident enough with it to apply for C++ programmer full time position, however I'm a motivated to learn and improve my C++ skills during the training at NOKIA academy.
- Attention to detail
- Strong analytical and problem solving skills.
- Extensive knowledge of algorithms and data structures
- Highly motivated and eager to learn.
- Basic knowledge of Software Testing

Operating Systems

- Windows
- Familiarity with Linux
- OSX

Image Enhancement (2017)

I've created algorithms in frequency and spatial domains to remove periodic/ random noise from Black and White Images. For this project I've used Matlab

D&C Convex Hull Algorithm (2017)

I've created a convex hull algorithm that planned robot trajectory from Point A to Point B while avoiding the Obstacles C.

Kessel Run game (2017)

I've created an android game for my Java assignment. The mechanics of the game are simple. The user controls a ship with a touch(Long press to go up, release to go down), and tries to avoid or destroy oncoming asteroids with a laser. The goal is to survive for as long as possible.

Prey and Predator simulation (2016)

I've created a 2D simulation in JavaFX with various lifeforms that move around and detect food in order to survive.

Education

BSc Computer Science @ University Of Reading, UK

20/09/2015 - 05/07/2018

Modules:

- Computer Architecture
- Fundamentals of computing
- Programming (C,C++,Java)
- Essential Algorithms
- Operating Systems
- Codes and Code breaking
- Compilers
- Networking
- Data mining
- Databases and advanced Databases
- Mathematics
- Image Analysis
- HCI
- Information Security
- Social, Legal and ethical aspects of engineering
- Software Testing
- Systems Design
- Virtual Reality
- Electronics

Blessed George Napier Sixth Form in Banbury

20/09/2013- 20/06/2015

Subjects: BTEC IT Extended Diploma, Travel and Tourism, Polish