

Rafał Krókowski

JAVASCRIPT SOFTWARE DEVELOPER · STUDENT · WROCLAW UNIVERSITY OF SCIENCE AND TECHNOLOGY

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Summary

I'm a student, with passion for Software Engineering, learning cutting edge technologies and everything related to JavaScript, currently working on multiple personal and team projects, wanting to gain experience, deliver solutions on new challenging tasks and meet inspiring people. I offer full commitment, 12h+/day availability, potential, ability to focus on performed task, high communication and team work skills.

Projects

Interactive AVL Tree

March 2018

- Implemented an AVL Tree in vanilla ES6+, based on Object-Oriented Programming principles
- Visualized the tree with semantic HTML5, CSS3 Grid and p5.js, then deployed app to Heroku

Live Sorting Test

April 2018

- Programmed an app for testing different sorting algorithms and comparing their big O execution time
- Achieved high performance due to real-time, server-side, multi-threaded Node.js computing
- Designed custom Express API and fully mocked it with Web Workers

ShallowBlue.js

May 2018

- Programmed and visualized chess AI using minimax with alfa-beta pruning
- Developed separate branches for Redux and React Context API - based application state
- Highly focused on code readability with ESLint, Webpack 4 and Sass
- Currently applying reinforcement learning with deep neural network in Tensorflow.js

CryptoPi.js

June 2018

- Developed gesture-controlled, real-time, Web Socket - based cryptocurrency price-tracking app
- Controlled hardware with Raspberry Pi/Arduino, GDAX API, JohnnyFive.js and Node.js
- Currently adding Google Assistant voice integration with custom commands

Project Offtop (Team Project)

March 2018 - Present

- Designed and mocked big web app, that would be the dashboard of all student's activity at the university
- Created a team of about 40 students, run a series of lectures about Front-End Development
- Currently creating git issues, holding meetings on scalability & security and further developing API
- Delegated teams for data fetching, backend services and database creation

Other Notable Projects

2017

- Developed tab sorting Chrome Extension with functional JavaScript for own convenience
- Developed Node.js app checking for air pollution with geolocation and weather APIs
- Developed and fully tested MATLAB/C/C++/8051 Assembly apps being supervised by course tutors

Work Experience

Incognito Cocktail Bar/Kofeina

Wroclaw, Poland

BARTENDER, THEN PR/SOCIAL MEDIA MARKETING MANAGER

Jul. 2016 - Present

- Gained strong foundation on how the web and users' attention works
- Learned how to design custom UX, create products tailored to client's needs
- Worked long hours with a high performing team in fast-paced, high stress environment

Manuli Ekobal Sp. z o.o

Wroclaw, Poland

SEO SPECIALIST/UI DESIGNER/SITE ADMINISTRATION

May 2017 - May 2018

- Proposed and implemented full redesign of company's website
- Reduced website's payload size by a third, improved page speed rankings, cut load time by 50%
- Boosted monthly traffic from around 5k to above 13k visits/month, organized meetings, met deadlines
- Gained experience working with servers and site maintenance in big, international B2B company

Education

Wroclaw University of Science and Technology

Wroclaw, Poland

BACHELOR OF ENGINEERING IN CONTROL ENGINEERING AND ROBOTICS

Oct. 2016 - Exp. Jun. 2021

- Took courses including Computer Science, Algorithm Design, Artificial Intelligence and Advanced Calculus & Algebra,