Prague
Czech Republic

JAN LUXEMBURK

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EMPLOYMENT

JavaScript Developer   **Avocode**   **Nov 2016 – Jul 2017**

- Worked on several Node.js programs used in a design rendering pipeline that renders parsed Photoshop and Sketch designs.
- Created a web application for debugging rendering output and displaying statistics. Used ES6, React, Redux.
- Small tasks in a codebase of the main Avocode application. Worked with CoffeeScript, Electron.
- Designed and implemented a TypeScript library for composing and displaying rendered layers in web browsers. Based on Canvas API.

Freelance Work   **Oct 2016 – Present**

- Worked on a web crawler for extracting open jobs positions. Written in Python, Scrapy framework, MongoDB.
- In a team of two, created a frontend application for a smart training board for climbers. Written in Angular 2.

Junior Software Developer   **Softec CZ**   **Sep 2015 – Oct 2016**

- Bug fixing and implementing change requests in two applications that support the process of preparing and approving credit application in banks. Both written in C#, ASP.NET, EntityFramework, and JQuery.
- Experience with a corporate environment and maintenance of big information systems; reading of functional specifications and technical designs; cooperation with software analytics and testers.
- Contributed to an Android application assisting technicians with uploading of photo documentation of an insured event.

EDUCATION

Prague, Czech Republic   **Czech Technical University**   **Sep 2014 – Present**

- Bachelor's in Software Engineering at Faculty of Information Technology. Graduated in July 2017.
- Working on Master's in Computer Security. Expected graduation in July 2020.
- Bachelor's thesis "Functional Programming for Web Frontend" written in English; focused on the functional programming paradigm and a language Elm. Received Dean's Award for an outstanding Bachelor's thesis.
- Coursework: Software Foundations, Computer Architectures, Databases, Operation Systems, Automata and Grammars, Computer Networks, Computer Security, OOP, Software Engineering, Algebra, Calculus, Logic, Graph Theory, Probability and Statistics.

Manhattan, Kansas, U.S.   **Kansas State University**   **Aug 2017 – May 2018**

- A year-long study with computer science coursework.

ADDITIONAL EXPERIENCE AND ACCOMPLISHMENTS

- **Competed at ACM programming competition:** 1st at 2017 Kansas State Open, 11th at 2017 North Central NA Regional.
- **ReactiveConf 2016:** Volunteered at a React conference in Bratislava.
- **WebExpo 2016:** Volunteered at a web-focused conference in Prague.

LANGUAGES AND TECHNOLOGIES

- JavaScript, TypeScript, Elm, C/C++, Bash, Python, Java.
- JavaScript development environment: ES6, React, Webpack, Redux, Babel, Flow, Jest.
- Web browser stack, HTTP, TLS, DNS, PKI, networking.