

EMPLOYMENT

JavaScript Developer	Avocode	Nov 2016 – Jul 2017
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- 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 of rendering output and displaying statistics. Used ES6, React, Redux.
- Small tasks in the codebase of the main Avocode application. Worked with CoffeeScript, Electron.
- Designed and implemented a TypeScript library for composing and displaying rendered design layers in web browsers. Based on Canvas API.

Freelance Work	Oct 2016 – Present
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- Worked on a web crawler for extracting open job 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
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- 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 photo documentation of an insured event.

EDUCATION

Prague, Czech Republic	Czech Technical University	Sep 2014 – Present
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- 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
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- A year-long study with computer science coursework.

ADDITIONAL EXPERIENCE AND ACCOMPLISHMENTS

- **Competed at ACM programming competitions:** 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, Git, x86 Assembly, Python, C#, Java.
- JavaScript development environment: ES6, React, Webpack, Redux, Babel, Flow, Jest.
- TCP, HTTP, TLS, DNS, PKI, Cryptography.