FILIP BALUCHA

XXXXXXXXXXXXXX [LinkedIn](#) | [GitHub](#) | Python, JavaScript, Java, Haskell, C; MongoDB, PostgreSQL

EDUCATION

University of Edinburgh   Sep 2019 – May 2023
Bachelor's degree, Computer Science and Artificial Intelligence · CGPA: 3.95/4   Edinburgh, UK
· Courses: Data Science, Software Engineering, Algorithms and Data Structures, Computer Systems, OOP.

University of Toronto   Sep 2021 – Apr 2022
Exchange · SGPA: 3.94/4   Toronto, CA
· Courses: Intro to Image Understanding, Machine Learning, Computational Linguistics, Databases, Web Dev.
· Ongoing: Neural Nets and Deep Learning, Natural Language Computing, Business of Software, Capstone Project.

WORK EXPERIENCE

Cisco, Slido | TypeScript (React, Redux)   Jun 2021 – Aug 2021
Software Engineering Intern   Bratislava, SK
· Implemented the basis for a requested feature that allows users to insert poll results into presentations.
· Reduced technical debt by porting part of presenter view from AngularJS to React.

University of Edinburgh | Haskell   Sep 2020 – Dec 2020
Teaching Assistant (Student Tutor)   Edinburgh, UK (Remote)
· Tutored two groups of students for the course Introduction to Computation.
· One of 12 tutors from the School of Informatics nominated for a university-wide teaching award.

Slovenská Sporiteľňa (Erste Group) | JavaScript (React, Electron), Python (pandas) Jun 2020 – Aug 2020
Software Developer   Bratislava, SK
· Designed and deployed a report-generating app based on the requirements of multiple HR team members.
· Reduced time spent preparing reports by over 85%.

University of Edinburgh Hyperloop Team | JavaScript (React, Node), Git   Sep 2019 – Apr 2020
Software Developer   Edinburgh, UK
· Worked on a debugging dashboard for a team of over 100 members in a team of 4.
· Developed the basis for a real-time visualization solution for sensor data.

PROJECTS

Eedi Challenge (coursework) | Python (PyTorch, pandas, Matplotlib)   Nov 2021
· Developed a stock Item response theory model to predict the correctness of students' answers to assessments.
· Processed data; Proposed and oversaw the implementation of basic extensions to the model within my team.

annotate.js | TypeScript, HTML, CSS   Oct 2021 – Now
· Developing a lightweight library for making annotations that works out of the box.

Roleplaying Game Storybuilder | TypeScript (React, Redux, Node, Express), MongoDB   Sep 2021 – Now
· Improved scalability by implementing state management using Redux for a fast-evolving group project.

Popularity of Scottish Hills | Python (pandas, Matplotlib, scikit-learn)   Feb 2021 – Apr 2021
· Cleaned up, joined and analyzed messy data from various sources.
· Produced the highest-scoring submission out of over 90 teams in the Data Science course in a team of 3.

Know Your Avocado! | Python (PyTorch, Flask), JavaScript (React)   Dec 2020 – Jan 2021
· Trained and deployed a CNN model to estimate the ripeness of avocados using transfer learning.

Jurko Hronec, a Messenger chatbot for my high school | JavaScript (Node)   Sep 2018 – May 2019
· Implemented scraping of the school's website to display info (e.g. lunch menu) dynamically in Messenger.