

Daniel Gareev

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WORK EXPERIENCE

Software Engineer, Intern

Mar. 2021 - Present

University of Luxembourg (AI Robolab) | Belval, Luxembourg

- Responsible for the initial research, planning and managing the project, designing end-to-end data pipeline to create generative images for the machine learning exhibition.
- Deployed the remote development environment for training 15+ TensorFlow models to High-Performance Computing using Docker containers.
- Accelerated training speed by 30% by optimizing GPU memory usage and tweaking the training performance.
- Built a data collection pipeline and implemented classification algorithms for clustering images in Python.
- Worked closely with the users of the data pipeline to build an interactive coding environment on Google Colab to improve the user satisfaction by 30%.

Software Engineer, Intern

Apr. 2020 - Jul. 2020

CareerLunch AG (ETH Spin-off) | Zürich, Switzerland

- Redesigned the core web application for matching students with companies by using ReactJS, TypeScript, GraphQL, styled-components, Redux, Webpack and Node.js.
- Increased the application rate by 15% and decreased the mis-clicks by 30% by running A/B testing, redesigning the sign-up and sign-in process to be more user-friendly and responsive.
- Improved user satisfaction by 20% by collecting user insights, running remote usability tests, improving the Figma prototype and enhancing the user interface of the core web application.
- Refactored core components of the web application by using design systems (grid systems, helpers, themes).
- Run end-to-end tests with front-end testing framework Cypress and wrote automation tests.

Software Engineer, Intern

Nov. 2019 - Feb. 2020

University of Luxembourg (Department of Computer Science) | Belval, Luxembourg

- Designed a Python/Django web application for managing and viewing academic projects of students.
- Switched production deployment environment from local server to cloud platform and reduced costs by 15%.
- Optimized the website load speed by 25% as well as solved technical bugs on the backend side.
- Established a remote testing and development environment using Docker and bash scripts.
- Set up a Jira Scrum Board for software developers and improve the average time of resolving issues by 2 days.

Software Engineer, Intern

Apr. 2019 - Jul. 2019

Apla Blockchain SA | Luxembourg, Luxembourg

- Developed the UI for the product by communicating with product teams and designers as well as end-users and running A/B testing. The product won the technical product pitch competition with 3 awards amounting to €70,000.
- Increased user conversion rate by 20% by redesigning and optimizing the website as well as solving technical bugs on the backend related to form submissions.
- Delivered a REST API module in NodeJS to analyze and explore the transaction history of users.

EDUCATION

University of Luxembourg | Belval, Luxembourg

Sept. 2018 - Jul. 2021

- Bachelor of Science B.S. in Computer Science
- Relevant Coursework: Software Engineering, User-Centered Design, Human-Computer Interaction, Algorithms and Complexity, Data Structures, Web Development

University of Zürich / ETH Zürich | Zürich, Switzerland

Feb. 2020 - Sep. 2020

- Bachelor of Science B.S. in Computer Science
- Visiting student for the Spring Semester 2020 at University of Zurich and ETH Zurich
- Relevant Coursework: Software Engineering, Human-Computer Interaction

TECHNICAL SKILLS

- **Programming Languages:** Javascript, Python, HTML/CSS
- **Technologies:** REST API, React, TypeScript, GraphQL, Node.js, Amazon Web Services (AWS), Google Cloud Platform (GCP), Unix (git, shell script, bash), Redux, npm, yarn, Kubernetes, Nginx, Docker
- **Software:** VSCode, Jira, Chrome DevTools, Figma, Sketch, Adobe Ps/Ai/Xd, Google Docs/Slides/Sheets, Notion