

Felix Teufel

MSc BIOTECHNOLOGY · ETH ZÜRICH

4056 Basel, Switzerland

📧 fteufel | 🌐 felixteufel

Education

ETH Zürich

M.Sc. BIOTECHNOLOGY

- **GPA:** 5.6/6
- **Lab Assistant** in the Bioprocess Laboratory (Prof. Sven Panke)

Basel, Switzerland

Sep. 2018 - Jun 2021

University of Natural Resources and Life Sciences (BOKU) Vienna

B.Sc. FOOD SCIENCE AND BIOTECHNOLOGY

- **GPA:** 1.6/5 (1 = best), graduated with distinction
- **Teaching Assistant** for Biochemistry
- **Virginia Tech**, Blacksburg, VA, USA - finalist in competition for student-founded startups (Summer 2018)

Vienna, Austria

Oct. 2015 - May 2018

Work Experience

F. Hoffmann - La Roche AG

INTERN IN PHARMA TECHNICAL OPERATIONS

- Natural Language Processing projects for biopharmaceutical manufacturing data
- Developed productivity tools for Google Suite with Google Apps Script

Basel, Switzerland

Aug. 2019 - Jun. 2020

11er Nahrungsmittel GmbH

SUMMER INTERN IN RESEARCH AND DEVELOPMENT

- Developed chemometric models (PLS regression) for Near Infrared Spectrometry analytics of foods

Frastanz, Austria

Jun. 2015 - Sep. 2017

Research Experience

PROJECTS

Predicting stem cell states from single cell transcriptomics data

NEWMAN LAB, DEPARTMENT OF BIOMEDICAL DATA SCIENCE, STANFORD UNIVERSITY

- Developing models to predict stem cell states reliably in multiple tissues

Stanford, CA, USA (remote)

Mar. 2021 - ongoing

Protein Language Modeling for Signal Peptide Prediction

BIOINFORMATICS SECTION, DTU HEALTH TECH

- Developed SignalP 6.0, a new state-of-the-art prediction tool built on pretrained protein language models

Kongens Lyngby, Denmark

Jun. 2020 - Mar. 2021

Multi-task Gaussian Process Adapters for irregularly-sampled time series classification

MACHINE LEARNING & COMPUTATIONAL BIOLOGY LAB, ETH ZÜRICH

- Investigated model biases and training strategies of a multi-task Gaussian Process - Temporal Convolutional Neural Network model for sepsis prediction in intensive care

Basel, Switzerland

Oct. 2019 - May 2020

Electrochemical Acrylamide Biosensors

LUDWIG LAB, BOKU VIENNA

- Investigated the reproducibility of previously published biosensor designs for acrylamide detection
- Developed a GUI for biosensor readout

Vienna, Austria

Jun. 2018 - Aug. 2018

PUBLICATIONS

Impact of pulsed electric field (PEF) pretreatment on process performance of industrial French fries production

JOURNAL OF FOOD ENGINEERING VOLUME 235, OCTOBER 2018, PAGES 16-22

T. Fauster, D. Schlossnikl, F. Rath, R. Ostermeier, F. Teufel, S. Toepfl, H. Jaeger

2017

Reviews

2020 **ICLR 2021**, International Conference on Learning Representations

Assisted Review

2020 **AAAI 2021**, Association for the Advancement of Artificial Intelligence

Assisted Review

Honors & Awards

COMPETITIONS

- 2020 **Highlight Project for Economic Impact**, VersusVirus Hackathon
- 2019 **First Place**, Zurich Case Competition 2019
- 2018 **Finalist**, Virginia Tech Global Entrepreneur Challenge 2018
- 2018 **Crowd Champion**, Entrepreneurship Avenue Pitch Competition

Zürich, Switzerland
Zürich, Switzerland
Blacksburg, VA, USA
Vienna, Austria

SCHOLARSHIPS

- 2015-2018 **Merit-based Scholarship**, BOKU Vienna

Vienna, Austria

Extracurricular Activities

Biotechnology Students Association of ETH Zürich

Basel, Switzerland

VICE PRESIDENT

Feb. 2019 - Sep. 2020

- Responsible for industry relations
- Student delegate in the appointment committee for new professorships
- Representative in department commissions

Graduate Consulting Club of ETH Zürich

Zürich, Switzerland

TEAM LEADER

Mar. 2019 - ongoing

- Led a team of 5 student consultants on a market positioning project
- Consulted a computer vision / OCR startup on their market entry strategy in Switzerland

Skills

Languages German/Swiss German (Native), English (C2), Spanish (B2), French (B1)

Programming Languages Python, R, SQL, Google Apps Script

Tools Linux, Google Cloud Platform, Git, Github

Analytical Techniques Near Infrared Spectrometry, HPLC, RNA-seq DGE (Illumina), Differential Scanning Calorimetry, Voltammetry

Wet Lab Microbiology, Cell culture, Cloning, Protein expression and purification (lab scale and pilot scale)