

TOGZHAN BARAKBAYEVA

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EDUCATION

Nazarbayev University

Bachelor of Science in Computer Science. CGPA: 3.74/4.00

August 2018 - June 2022 (*expected*)

Nur-Sultan, Kazakhstan

EXPERIENCE

Nazarbayev University

Research Assistant

January 2021 - Present

Nur-Sultan, Kazakhstan (*Remote*)

- Implemented the addition of Inception blocks into the evolutionary algorithm AE-CNN for image classification tasks.
- Published a paper in ICDIP 2021 conference proceedings <https://doi.org/10.1117/12.2601117>

GroveFlow

Software Engineering Intern

June 2020 - August 2020

San Francisco, CA, USA (*Remote*)

- Implemented COVID dashboard backend for displaying trends and growth rates in the county and state level using **Node JS**, as well as performing CSV parsing and data processing. Dashboard reached 100 000+ views.
- Developed frontend of web-chart generation application which creates graphs based on user input. Used **React JS**.
- Automated data collection process by processing JSON files. Reduced manual entry of data by 100%.

MethodPro

Software Engineering Intern

June 2019 - August 2019

Almaty, Kazakhstan

- Developed full-stack admin panel service to display statistics based on data received from mobile application. Integrated data science approaches. Technologies used: **Python Flask** framework.
- Implemented algorithm for text processing of comments, by removing stopwords and punctuation, performing lemmatization using **pymystem3**. Extracted relevant nouns, displaying them on TSNE plot. Used Python **pandas** for working with data and **matplotlib** for visualization.

EXTRACURRICULAR ACTIVITIES

Ethereum Foundation

ETH-summer participant

June 2020 - Present

Bern, Switzerland (*Remote*)

- Developed a few decentralized applications running on Ethereum blockchain using Solidity, ReactJS.

PROJECTS

Contribution to open source project scaffold-eth

<https://github.com/austintgriffith/scaffold-eth/tree/master>

- Developed staking application to deposit and withdraw funds on Ethereum blockchain using Solidity and ReactJS. Wrote a full tutorial on setting up the smart contract and interacting with frontend.
- Implemented an input component to convert between bytes32 and string.
- Added frontend for commit-reveal application.
- Developed collectors leaderboard page and recent color history at <https://nifty.ink>

ACHIEVEMENTS

One of 4 **winning** teams of MethodPro hackathon out of 120 participants.

Dean's List. School of Science and Technology. Fall 2018. Spring 2020. Awarded to top students with GPA 3.75+ .

Received an **offer** for STEP intern position at **Google** for 2020.

Selected as a participant for **Facebook Women's Coding Seminars**. Mentored by a Facebook software engineer to solve coding challenges.

SKILLS

Proficient: C++, Python, Flask, React JS, Node JS, git

Familiar: Java, sql, requests, PyTorch