

# ZHANERKE ZHUMASH SAMATKYZY

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## EDUCATION

**Bachelor of Science: Mathematics and Computer Science Minor**

**Sept 2021 - Present**

University of British Columbia (UBC), Vancouver, Canada, UBC Science Co-Op program

## HONORS AND AWARDS

- **Karen McKellin International Leader of Tomorrow Scholar (2021-Present), UBC:** Nominated and selected internationally with a 1% of acceptance rate and guaranteed full-ride scholarship throughout the entire undergraduate degree. The award recognizes superior academics, leadership, and community service (GPA: 3.3/4.0).
- **Sponsor prize (2023), Produhacks x EY:** Awarded for developing Fitnomic demo mobile app, designing UI/UX, and pitching it to corporate professionals. 'Fitnomic' is a modern mobile app that utilizes gamification and a rewards system to encourage employee engagement in wellness programs.
- **Selected for Canada's Top Students (2022), Scotiabank:** Awarded for outstanding performance in product development (UX/UI design and web development) using Figma and marketing solutions involving Adobe Creative Suite, creativity, research, and data analysis tools.
- **Merit-Based Haileybury Astana Scholar (2019-2021):** Selected for one of eight 100% scholarships to attend Haileybury Astana British School and do the International Baccalaureate Bilingual Diploma Program (Score: 42/45).

## EMPLOYMENT

**Webmaster, WiCS UBC, Vancouver, Canada**

**Jan 2022-Present**

- Responsible for overseeing operations of the WiCS website, working closely with event directors to coordinate website features, schedules, and event details/content.
- Updates WiCS website frequently with event recaps, new sponsors, and related content, designing and implementing new pages as needed.
- Speaks and runs workshops, covering practical tips on how to build full stack using modern tools and techniques that scale and are future-proof.

**Chief Financial Officer, ProfEd startup, Almaty, Kazakhstan**

**Dec 2021-Jan 2023**

- Helped raise over 15,000 USD in funds for assisting technological development of Virtual Reality Career Guidance. Worked closely with staff to ensure grant objectives were met.
- Supervised the business plan, budget, and expenses of the project. Researches and develops grant proposals for foundations, government agencies, and corporate philanthropies.
- Coordinated communications with 20 private schools in Central Asia and the Ministry of Education in Kazakhstan.

**IB Tutor, Buki.kz, Astana, Kazakhstan**

**Jan 2020-Sep 2021**

- Collaborated with students to complete homework assignments, identifying lagging skills and weaknesses in IB STEM subjects.
- Motivated students towards learning and studying to build self-confidence and reduce fear of failure, thus helping them achieve 7 and 6 out of 7 in IB MOCK exams.

**TECHNICAL SKILLS:** R, Tableau, Microsoft Office, Microsoft Excel, SQL, MatLab, Python, Java, Javascript, Blender, Adobe PhotoShop.

**LANGUAGES:** Native **Kazakh and Russian**. Fluent **English**. Limited proficiency **French**.

## LEADERSHIP EXPERIENCES

**Cyber Security Trainer, UNICEF, Kazakhstan**

**Sep 2022-Dec 2022**

- Managed a group of student volunteers and was responsible for setting up remote lessons about cyber security and media literacy in secondary schools in Kazakhstan.

## TECHNICAL PROJECTS:

- **Fashion Recommender system using Python:** Built a fashion recommendation system using the nearest neighbor algorithm and predicted for the dataset from Kaggle Stack Overflow (44,096 jpg items). User and interaction data was used with ResNET50 architecture to extract image feature vectors to find similar images.
- **Researching green technologies associated with TiO<sub>2</sub>'s ability to break down organic matter. IB Extended Essay in Chemistry (2019-2020), Grade: A:** Investigated TiO<sub>2</sub>'s capacity in breaking down organic matter in the form of Allura Red dye at different industrial temperatures. Created a home-friendly setup of a colorimeter and anti-UV box to perform experiments and model the kinetics of biodegradation.