

JULIA GARBUZ

Undergraduate at University of Minnesota pursuing a B.S. in Computer Science

☎ 952.807.8956 | ✉ juliagarbuz@me.com | 📍 Eden Prairie, MN | 🖱 juliagarbuz.com | in linkedin.com/in/juliagarbuz | 🌐 github.com/juliagarbuz

EDUCATION

Bachelors of Science, Computer Science

University of Minnesota, Minneapolis, MN — September 2015 – Present

B.S. in Computer Science (Big Data focused), Minors in Statistics and Management

Expected Graduation: **May 2019**

Relevant courses: Big Data Engineering and Analytics (NoSQL and Hadoop), Algorithms and Data Structures, Database Systems, Operating Systems, Program Design and Development, Regression and Correlated Data, Theory of Statistics

EXPERIENCE

INDUSTRY

Software Development Engineer Intern — May 2018 – August 2018

Expedia Group, eCommerce Platform, Financial Core Transaction Services (Chicago, IL)

- Created full-stack product, FORCE Echo, which processes over **1.5 million transactions per day** to provide the first aggregated and business-user friendly view of the financial processing engine.
 - Designed and implemented an **Amazon Aurora** schema.
 - Used **Spring Boot** to develop a **RESTful microservice**.
 - Implemented **CI/CD pipeline** for the FORCE Echo microservice.
 - Built an **Angular UI** for FORCE Echo.

FORCE Echo reduced the time engineers spent tracking down and resolving bugs in the financial system and provided business-oriented users with insights on month-end closures.

Technical Marketing Intern — June 2016 – August 2017

Dotcom Monitor (Minnetonka, MN)

- Designed and coded a pricing calculator in PHP/HTML which was essential to the internal sales staff and customer prospects.
- Assisted in the marketing of the launch of LoadView, a website, web-app, mobile, and API stress testing service.
- Developed and marketed a scholarship program for Women in Computing: <https://www.loadview-testing.com/scholarship/>

RESEARCH

Undergraduate Research Assistant — May 2017 – August 2017

University of Minnesota, Dept. of Geography, Environment & Society (Minneapolis, MN)

- Assisted in the development of a domain-specific parallel computing language in Python.

LEADERSHIP

Undergraduate Teaching Assistant — September 2016 – Present

University of Minnesota, Dept. of Computer Science & Engineering (Minneapolis, MN)

- Lead laboratory sections of 30–40 students and hold office hours.
- Mentor students on course concepts, including guidance on approaching and debugging labs and homework
- Maintain course website, attend and contribute to weekly staff meetings, and design and grade assignments.

Courses taught: Introduction to Computing and Programming Concepts (Python), Introduction to Algorithms and Data Structures (Java), Advanced Programming Principles (OCaml)

Rhythmic Gymnastics Coach & Choreographer — August 2013 – Present

NorthWest Rhythmic LLC (Plymouth, MN)

- Organize and manage the training and development of over 50 young girls ranging from ages three to fifteen and skill levels ranging from beginner to National Team level.
- Develop, design, and manage both competitive and recreational programs to help each competitive gymnast excel and help young athletes develop strength, balance, coordination, and listening skills.

SKILLS

Programming Languages:

- Java
- Python
- C / C++
- OCaml
- SQL
- R
- HTML / CSS / Typescript

Frameworks/Tools:

- Git
- Spring Boot
- Swagger
- Angular
- Docker
- Jenkins
- Bootstrap
- npm

Languages

- Russian:** bilingual proficiency
- French:** elementary proficiency

Miscellaneous

- Licensed Zumba Instructor:**
ZIN Member since June 2016.
Completed Basic 1, Zumba Kids, Zumba Kids Jr Trainings.

ACTIVITIES

Association for Computing Machinery (ACM):

- Member since 2017
- Participated in MinneHack 2018

MIS Case Competition Team:

- Under the Carlson School of Management's Information and Decision Sciences department
- Participant (2017–2018): **Finalist at CaseIT 2018**, International MIS Case Competition, in Vancouver, Canada (finished in top 4 of 16 universities from 9 countries).
- Recruiter (2018–2019): doubled number of applicants from previous year

Rhythmic Gymnast:

- Four-time USA National Team Member** (2010–2013)
- Multi-time national and international medalist