	cheruk		https://www.l	<u>kucherukdariia@gmail.co</u> inkedin.com/in/dariia-kucherul	
Education	National University of "Kyiv-Mohyla Academy", BS September 2019 – June 2023, graduated with honors Major: Computer Sciences Key courses: Object-Oriented Programming, AI, Information Retrieval GPA 95				
	The University of Toronto, I	BS Exchange student May 20	022 – April 2023		
kills	Programming	0	Frameworks/libraries	Application/Web Servers	
	Languages/Technologies	Operating Systems	<ul><li>net/http</li><li>k8s.io</li></ul>	<ul><li>Traefik</li></ul>	
	• Golang	• Windows	• Gorilla/mux	• Apache	
	<ul><li>Python</li><li>Haskell</li></ul>	• macOS	<ul> <li>Apache thrift</li> </ul>	<b>Documentation</b> • Godoc	
	■ C++	<ul><li>Linux (Ubuntu)</li></ul>	<ul><li>justinas/alice</li><li>Go.elastic.co/apm</li></ul>	<ul><li>Markdown</li></ul>	
	■ Java	Version Control	• Encoding/json	<ul><li>OpenAPI (Swagger)</li><li>ThriftAPI</li></ul>	
	DBMS	systems	• Embed	Infrastructure	
	<ul> <li>PostgreSQL</li> </ul>	• Git	<ul><li>bindata</li><li>Spf13/cobra</li></ul>	<ul><li>Docker</li></ul>	
	• MS Access	Package managers:	• spf13/pflag	<ul><li>Docker-Compose</li><li>Kubernetes</li></ul>	
	Methodologies	Go Modules,	gomock	• Helm	
	■ Agile, Scrum	govendor	<ul><li>Testify</li></ul>	• AWS	
xperience					
	Research at the University of Toronto				
Project	Analyzing the MRI Data from Premature Neonates				
Description:					
Involvement Duration:	13 months				
Project Role:	Machine Learning Researcher at Professor Michael Brudno's lab				
Contributed:	Analyzed brain MRI data			ox problem of the retrieved outcome	
	utilizing Machine Learning m features that indicate future de • Built a new segmentation	values and analytic tools. ssing pipeline to normalize data and bias field correction.			
Project Team	partially labeled data to boost the original model performance  10 team members				
Size:					
Tools & Sechnologies:	Python, Tensorflow, Jupyte	er			
cennologies.	Backend for Networking Product				
Project	Adaptive security appliance software.				
Description:					
<b>Customer:</b>					
Involvement Duration:	6 months				
Project Role:					
Contributed:	<ul> <li>Wrote an internal plugin, which improved the</li> <li>Updated Helm templates which resulted in pure and</li> </ul>				
	troubleshooting process and solved duplication issues.  • Performed refactoring on a job, leading to its best-effort behavior in the upgrade scenario.  simple logic without code duplication.  • Participated in code investigation and the creation of design documentation which reduced onboarding costs and improved understanding of the project's functionality.				
Project Team	48 team members		improved understanding	g of the project's functionality.	
Size:					
Tools &	Golang, Helm, Kubernetes, Docker, AWS, Bash				
	Backend for Product Analytics Platform				
	Backend for Product Ana				
Technologies:					
	Backend for Product Ana  Backend for a web platform the		ancial analytics to clients.		
Project Description: Customer:			ancial analytics to clients.		
Project Description: Customer: Involvement	Backend for a web platform the		ancial analytics to clients.		
Project Description: Customer: Involvement Duration:	Backend for a web platform the SoftServe 6 months		ancial analytics to clients.		
Project Description: Customer: Involvement Duration: Project Role:	Backend for a web platform the SoftServe 6 months Software Engineer	nat was created to deliver fin	-	es functions resulting in easier testing	
Project Description: Customer: Involvement Duration:	Backend for a web platform the SoftServe 6 months  Software Engineer  • Performed refactoring by service which led to grand management of the service where	nat was created to deliver fin removing a redundant intainability improvement	<ul> <li>Refactored inner service and readability.</li> </ul>	es functions resulting in easier testing	
Project Description: Customer: Involvement Duration: Project Role:	Backend for a web platform the SoftServe 6 months  Software Engineer  • Performed refactoring by	nat was created to deliver fin removing a redundant intainability improvement	<ul> <li>Refactored inner service and readability.</li> <li>Wrote Unit Tests and ra</li> </ul>	es functions resulting in easier testing ised test coverage up to 80% on each	
Project Description: Customer: Involvement Duration: Project Role: Contributed:	Backend for a web platform the SoftServe 6 months  Software Engineer  • Performed refactoring by service which led to grand may of services and more advanced.	nat was created to deliver fin removing a redundant intainability improvement	<ul> <li>Refactored inner service and readability.</li> </ul>		
Project Description: Customer: Involvement Duration: Project Role: Contributed:	Backend for a web platform the SoftServe 6 months  Software Engineer  • Performed refactoring by service which led to grand management of the service where	nat was created to deliver fin removing a redundant intainability improvement	<ul> <li>Refactored inner service and readability.</li> <li>Wrote Unit Tests and ra</li> </ul>		
Project Description: Customer: Involvement Duration: Project Role: Contributed: Project Team Size: Tools &	Backend for a web platform the SoftServe 6 months  Software Engineer  • Performed refactoring by service which led to grand may of services and more advanced 25 team members	nat was created to deliver fin removing a redundant intainability improvement d architecture	<ul> <li>Refactored inner service and readability.</li> <li>Wrote Unit Tests and raservice.</li> </ul>		
Project Description: Customer: Involvement Duration: Project Role: Contributed: Project Team Size: Tools &	Backend for a web platform the SoftServe 6 months  Software Engineer  • Performed refactoring by service which led to grand may of services and more advanced 25 team members  Golang, MySQL, PostgreSQL	nat was created to deliver fin removing a redundant intainability improvement d architecture	<ul> <li>Refactored inner service and readability.</li> <li>Wrote Unit Tests and raservice.</li> </ul>		
Project Description: Customer: Involvement Duration: Project Role: Contributed: Project Team Size: Tools & Technologies:	Backend for a web platform the SoftServe 6 months  Software Engineer  • Performed refactoring by service which led to grand may of services and more advanced 25 team members  Golang, MySQL, PostgreSQL  A Platform for University	nat was created to deliver fin removing a redundant intainability improvement d architecture , Docker, Traefik, Apache T	Refactored inner service and readability. Wrote Unit Tests and ra service. Thrift	ised test coverage up to 80% on each	
Project Description: Customer: Involvement Duration: Project Role: Contributed: Project Team Size: Tools & Technologies:  Project Description: Customer:	Backend for a web platform the SoftServe 6 months  Software Engineer  • Performed refactoring by service which led to grand may of services and more advanced 25 team members  Golang, MySQL, PostgreSQL  A Platform for University  Develop a documentation man GPAs and collecting other sta University IT Department	removing a redundant intainability improvement d architecture  The architecture  The architecture  The architecture	Refactored inner service and readability. Wrote Unit Tests and ra service. Thrift		
Project Description: Customer: Involvement Duration: Project Role: Contributed: Project Team Size: Tools & Cechnologies:  Project Description: Customer: Involvement	Backend for a web platform the SoftServe 6 months  Software Engineer  • Performed refactoring by service which led to grand may of services and more advanced 25 team members  Golang, MySQL, PostgreSQL  A Platform for University  Develop a documentation man GPAs and collecting other sta	removing a redundant intainability improvement d architecture  The architecture  The architecture  The architecture	Refactored inner service and readability. Wrote Unit Tests and ra service. Thrift	ised test coverage up to 80% on each	
Project Description: Customer: Involvement Duration: Project Role: Contributed: Project Team Size: Tools & Cechnologies:  Project Description: Customer: Involvement Duration:	Backend for a web platform the SoftServe 6 months  Software Engineer • Performed refactoring by service which led to grand may of services and more advanced 25 team members  Golang, MySQL, PostgreSQL  A Platform for University  Develop a documentation man GPAs and collecting other state University IT Department 6 months	removing a redundant intainability improvement d architecture  Transfer, Traefik, Apache Traef	Refactored inner service and readability. Wrote Unit Tests and ra service. Thrift	ised test coverage up to 80% on each	
Project Description: Customer: Involvement Duration: Project Role: Contributed: Project Team Size: Tools & Technologies:  Project Description: Customer: Involvement Duration: Project Role:	Backend for a web platform the SoftServe 6 months  Software Engineer  • Performed refactoring by service which led to grand may of services and more advanced 25 team members  Golang, MySQL, PostgreSQL  A Platform for University  Develop a documentation man GPAs and collecting other state University IT Department 6 months  Software Engineer, Team Lea	removing a redundant intainability improvement d architecture  To IT Department magement system that automitistical data	Refactored inner service and readability.     Wrote Unit Tests and raservice.  Thrift  Tizes the process of scholarship	ised test coverage up to 80% on each	
Project Description: Customer: Involvement Duration: Project Role: Contributed: Project Team Size: Tools & Technologies:  Project Description: Customer: Involvement Duration: Project Role: Contributed:	Backend for a web platform the SoftServe 6 months  Software Engineer  • Performed refactoring by service which led to grand may of services and more advanced 25 team members  Golang, MySQL, PostgreSQL  A Platform for University  Develop a documentation mant GPAs and collecting other state University IT Department 6 months  Software Engineer, Team Leau  • Developed a customized It process of scholarship assigned department.  • Implemented REST API we flexibility to the project.	removing a redundant intainability improvement d architecture  To IT Department magement system that automitistical data  d PDF parser which made the	Refactored inner service and readability.     Wrote Unit Tests and raservice.  Thrift  Wrotes of scholarship      Wrote SQL querie     Developed and malended up being accurate.	ised test coverage up to 80% on each	
Project Description: Customer: Involvement Duration: Project Role: Contributed: Project Team Size: Tools & Technologies:  Project Description: Customer: Involvement Duration: Project Role: Contributed:	Backend for a web platform the SoftServe 6 months  Software Engineer  • Performed refactoring by service which led to grand may of services and more advanced 25 team members  Golang, MySQL, PostgreSQL  A Platform for University  Develop a documentation mant GPAs and collecting other state University IT Department 6 months  Software Engineer, Team Leau  • Developed a customized It process of scholarship assigned department.  • Implemented REST API verification of the state of the st	removing a redundant intainability improvement d architecture  TIT Department  nagement system that automitistical data  d  PDF parser which made the nent much easier for the IT	Refactored inner service and readability.     Wrote Unit Tests and raservice.  Thrift  Wrotes of scholarship      Wrote SQL querie     Developed and malended up being accurate.	ised test coverage up to 80% on each as assignment, calculating students' and optimized data retrieval.	
Project Description: Customer: Involvement Duration: Project Role: Contributed: Project Team Size: Tools & Cechnologies:  Project Description: Customer: Involvement Duration: Project Role: Contributed:	Backend for a web platform the SoftServe 6 months  Software Engineer  • Performed refactoring by service which led to grand may of services and more advanced 25 team members  Golang, MySQL, PostgreSQL  A Platform for University  Develop a documentation man GPAs and collecting other state University IT Department 6 months  Software Engineer, Team Leau  • Developed a customized It process of scholarship assignment department.  • Implemented REST API verification for the project. 3 team members	removing a redundant intainability improvement d architecture  TIT Department  nagement system that automitistical data  d  PDF parser which made the nent much easier for the IT	Refactored inner service and readability.     Wrote Unit Tests and raservice.  Thrift  Wrotes of scholarship      Wrote SQL querie     Developed and malended up being accurate.	ised test coverage up to 80% on each as assignment, calculating students' and optimized data retrieval.	
Project Description: Customer: Involvement Duration: Project Role: Contributed: Project Team Size: Tools & Technologies:  Project Description: Customer: Involvement Duration: Project Role: Contributed:	Backend for a web platform the SoftServe 6 months  Software Engineer  • Performed refactoring by service which led to grand may of services and more advanced 25 team members  Golang, MySQL, PostgreSQL  A Platform for University  Develop a documentation mant GPAs and collecting other state University IT Department 6 months  Software Engineer, Team Leau  • Developed a customized It process of scholarship assigned department.  • Implemented REST API we flexibility to the project.	removing a redundant intainability improvement d architecture  To IT Department  nagement system that automitistical data  d  PDF parser which made the nent much easier for the IT which provided a great deal of the system of t	Refactored inner service and readability.     Wrote Unit Tests and raservice.  Thrift  Wrotes of scholarship      Wrote SQL querie     Developed and malended up being accurate.	ised test coverage up to 80% on each as assignment, calculating students' and optimized data retrieval.	
Project Description: Customer: Involvement Duration: Project Role: Contributed: Project Team Size: Tools & Project Description: Customer: Involvement Duration: Project Role: Contributed: Project Role: Contributed:	Backend for a web platform the SoftServe 6 months  Software Engineer  • Performed refactoring by service which led to grand may of services and more advanced 25 team members  Golang, MySQL, PostgreSQL  A Platform for University  Develop a documentation may GPAs and collecting other state University IT Department 6 months  Software Engineer, Team Leau  • Developed a customized It process of scholarship assigned department.  • Implemented REST API verification of the project. 3 team members  Go, HTTP, PostgreSQL https://github.com/dariiakuche	removing a redundant intainability improvement d architecture  TT Department  nagement system that automitistical data  d PDF parser which made the nent much easier for the IT  which provided a great deal of the provide	Refactored inner service and readability.     Wrote Unit Tests and raservice.  Thrift  Wrotes of scholarship      Wrote SQL querie     Developed and maended up being accuratof	is assignment, calculating students' s and optimized data retrieval. intained service architecture which te and suitable for the task.	
Project Description: Customer: Involvement Duration: Project Role: Contributed: Project Team Size: Tools & echnologies:  Project Description: Customer: Involvement Duration: Project Role: Contributed: Project Team Size: Tools & echnologies:	Backend for a web platform the SoftServe 6 months  Software Engineer  • Performed refactoring by service which led to grand may of services and more advanced 25 team members  Golang, MySQL, PostgreSQL  A Platform for University  Develop a documentation may GPAs and collecting other state University IT Department 6 months  Software Engineer, Team Leave Developed a customized It process of scholarship assignment department.  • Implemented REST API verification of the project. 3 team members  Go, HTTP, PostgreSQL	removing a redundant intainability improvement d architecture  To IT Department  To aggment system that automitistical data  Department made the nent much easier for the IT which provided a great deal of the provided a	Refactored inner service and readability.     Wrote Unit Tests and raservice.  Thrift  Wrotes of scholarship      Wrote SQL querie     Developed and maended up being accuratof	is assignment, calculating students' s and optimized data retrieval. intained service architecture which te and suitable for the task.	