

Nikolay Pomytkin

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EDUCATION	University of Maryland - College Park, MD <i>Bachelor's of Science, Computer Science and Economics</i> • Coursework: Data Structures, Computer Systems, Discrete Mathematics • Enrolled: Algorithms, Organization of Programming Languages, Micro-economic Analysis	Aug. 2018 - May. 2022 GPA: 3.76
EXPERIENCE	The Depository Trust & Clearing Corporation <i>Infrastructure Developer Intern</i> • Developed web dashboard from scratch (using Python and Flask) to allow L1/L2 support admins to execute scripts and monitor logs on over 100 remote servers from a centralized web interface. • Updated shell scripts responsible for log monitoring to reduce occurrences of missing log information and eliminating 3 hour delays in log report delivery.	Jersey City, NJ May 2019 - Aug. 2019
	University of Maryland <i>Guided Study Session Leader - MATH141 (Calculus II)</i> • Planned and facilitated bi-weekly 50-minute collaborative Guided Study Sessions each week for a total of 22 sessions over the course of a semester.	College Park, MD Jan. 2019 - Present
	<i>Undergraduate Teaching Assistant - CMSC132 (Data Structures)</i> • Will be working as a Computer Science TA for the Object-Oriented Programming with Java course during the Fall 2019 semester.	Aug. 2019 - Present
	Bitcamp - University of Maryland's Flagship Hackathon <i>Director of Internal Sponsorship</i> • Serving as the primary point of contact for UMD affiliated corporate partners and leading organizing team responsible for fundraising for Bitcamp 2020.	College Park, MD Jun. 2019 - Present
	<i>Sponsorship Organizer</i> • Worked with sponsorship team to secure and manage funding for the largest college hackathon on the east coast.	Dec. 2018 - May 2019
LANGUAGES	Java, Python, C, Bash, Ruby, x86 Assembly, SQL, L ^A T _E X, HTML, CSS, JavaScript.	
TOOLS	Flask, SQLAlchemy, TensorFlow, Pandas, NumPy, JUnit, CHEF, Kubernetes, Git, Jira.	
INTERESTS	Distributed Systems, DevOps, Full-stack Web Development, Microservices, Data Science, Running.	
PROJECTS	2019 CLIC Challenge - Image Compression Research Working in a team of 3 undergraduates under the guidance of Dr. Raymond Tu @ the FIRE Capital One Machine Learning lab; exploring the use of semantic image segmentation and auto-encoders for extreme learned image compression.	Jan. 2019 - Present
	Moody Moody is a Flask application with the goal to help people of all ages with mental health issues. It uses a custom deep convolutional neural network for facial and mood recognition to determine a user's current mood. Moody then logs and tracks the user's mood over time so they can improve their mental health!	April 2019
	PowerGPA PowerGPA is a Sinatra web application written in Ruby that allows students to automatically calculate their weighted GPA (quarterly, semesterly, and cumulative) using the PowerSchool REST API. Over 100,000 GPAs have been calculated since creation.	May 2017
	Find these projects and more on my Github...	
AWARDS	University of Maryland - Dean's List: College of Computer and Mathematical Sciences - University of Maryland: President's Scholarship	Dec. 2018 - Present
	HackRU (Rutgers University, New Brunswick, NJ) - <i>Moody: 1st Place Overall and Best AI/ML Hack</i> - <i>Beat the Bully Platformer Game: Best College-themed Hack</i>	April 2019 April 2018

(References available upon request.)