

Nikolay Pomytkin

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EDUCATION	University of Maryland - College Park, MD <i>Bachelor's of Science, Computer Science and Economics</i> • Intro to Data Structures, Computer Systems, Discrete Mathematics • Algorithms, Organization of Programming Languages, Macroeconomic 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 eliminate 3 hour delays in log report delivery.	Jersey City, NJ May 2019 - Aug. 2019
	University of Maryland <i>Guided Study Session Leader - 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 - Intro to 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
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.	
PROJECTS	Moody • Developed Flask application that interfaced with a custom CNN for facial expression classification. • Designed and implemented front-end for an elegant dashboard allowing users to keep track of their mood over time and upload images of their face for mood classification. • 1st Place Overall - Spring 2019 HackRU	April 2019
	PowerGPA • Developed a Sinatra web application written in Ruby that allows students to automatically confidentially calculate their real-time weighted GPA using the PowerSchool REST API. • Over 100,000 GPAs have been calculated since creation.	May 2017
	Find these projects and more on my Github...	
ACTIVITIES	Bitcamp - University of Maryland's Flagship Hackathon <i>Director of Internal Sponsorship</i> • Leading organizing team responsible for fundraising for Bitcamp 2020 and serving as the primary point of contact for UMD affiliated corporate partners.	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
	FIRE Capital One Machine Learning Lab <i>Research Fellow</i> • Exploring the use of novel machine learning techniques for extreme image compression. • Designed and implemented deep learning architecture involving semantic image segmentation and compressive auto-encoders.	College Park, MD Jan. 2019 - Present
AWARDS	University of Maryland - Dean's List: College of Computer and Mathematical Sciences - University of Maryland: President's Scholarship HackRU (Rutgers University, New Brunswick, NJ) - Moody: 1st Place Overall and Best AI/ML Hack - Beat the Bully Platformer Game: Best College-themed Hack	Dec. 2018 - Present April 2019 April 2018

(References available upon request.)