JAMES ROCKEY

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EDUCATION

University of Illinois at Urbana-Champaign Masters of Computer Science Bachelor of Science in Computer Science			Expected Graduation: May 2024 May 2023	
Relevant Coursework:			GI A. 3.75/4.0	
Algorithms and Models of Computation	Competitive Algorithmic Programming	Computer Architecture	Database Systems	
Data Structures	Discrete Structures	Distributed Systems	Formal Methods	
Internet of Things	Machine Learning	Numerical Analysis	Numerical Methods	
Probability and Statistics for Computer Science	Programming Languages and Compilers	System Programming	Software Design Studio	
EXPERIENCE				
Susquehanna International Group, LLP (SIG)			June 2023 – August 2023	
Incoming Software Engineer	Intern		Bala Cynwyd, PA	
☐ Automated trading str	ategies for equities, ETFs, and cr	ypto using C++.		
UIUC Department of Comp			August 2022 – January 2023	
Course Assistant for CS 357 - Numerical			Champaign, IL	
and optimization algo-			stochastic models, approximation	
United Airlines	objectis/solutions using 1 yellon, in	osted office flours, proctored	May 2022 – August 2022	
Digital Technology Intern			Chicago, IL	
database comparison t writing unit tests in A	ngineering team tasked with trans tool in Python, creating a SVM cl ngular for United's crew schedul to develop a dashboard using Spl	lassifier in Python to prioritizing application.	te black box software tests, and	
	ocess by 50%, and presented our			
Software Developer			Champaign, IL	
☐ Developed a Twitter s	craper using Python that gathers ashtags for sentimental analysis.	all public user data including	1 0	
		ython to post Quant's recent	updates to LinkedIn, Discord, and	
Engineering Council at the University of Illinois at Urbana-Champaign			July 2020 – June 2022	
Social Chair/Executive Board Member			Champaign, IL	
	nbers to organize social events for ering Council Board and help ma			
RELEVANT PROJECT				
Resume Job Recommender	, •		ovember 2022 – December 2022	
	est Classifier and Okapi BM25 se		· ·	
	lication for uploading resume and	l displaying job recommenda	_	
Brick Breaker Game (C++)		C 1 ' 1 1 1	May 2021 – June 2021	
 Utilized Cinder C++ visual library to create user interface for brick breaker game. Designed game engine to handle collisions, user interface for playing the game, and 				
☐ Designed game engine	e to nandle collisions, user interfa	ace for playing the game, and	brick generation logic.	
TECHNICAL SKILLS &	& AWARDS			
□ Programming Lan	guages: C/C++, Python, Java, J	avaScript, Haskell, MySQL,	Go	
	i Honor Engineering Honor Socie cholar with Distinction (2019)	ety Member (2021), Deans L	ist (2022-2020), National Merit	