PHONE (469) 358-6316

Briana Zhang

EDUCATION	University of California, Berkeley Electrical Engineering and Computer Sciences (3.975/4.00)		May 2022
	Relevant Coursework		
	Data Structures Efficient Algorithms and Intractable Problems		bla Problams
	Computer Security Probability and Random Processes		
	Operating Systems Optimization Models and Applications		
	Computer Visions	Introduction to Machine Learning	
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EXPERIENCE	Software Engineer Intern at BigFix		Summer 2020
	Web Developer for BigFix Compliance (Ruby on Rails, JavaScript/jQuery, HTML, CSS)		
	» Created widget to send ajax requests for ETL import updates in real time		
	» Updated UI with navigation bar and download feature for import logs		-
	Software Engineer Intern at Jack Henry & Associates		Summer 2019
	Test Automator for Web Services (C#, LINQ, SQL, XML)		
	» Created 3 major projects from scratch in C#		
	 Generated hundreds of regression test cases with database validations 		
TEACHING	Incoming Discrete Math and Probability Reader		Fall 2020
	Discrete Math and Probability Reader & Academic Intern		Summer 2020
	» Taught at office hours and four discussions weekly, graded homework		vork
	Computer Science Mentors (CSM)		Spring 2020
	» Discrete Math and Probability Mentor: Mentored two weekly sections		
	Structure and Interpretation of Computer Programs Academic Intern		
	» Taught course material during weekly lab sessions and office hours		
PROJECTS	End-to-End Encrypted File Sh	aring System (Golang)	Spring 2020
	End-to-End Encrypted File Sharing System (Golang)		
	 Designed and implemented secure user-file system with insecure server Used salted hashed passwords, encryption, and digital signatures 		501701
	File Transmission via Sound (Python)		Fall 2019
	 Converted text file to bits transmitted with redundancy for noise resistance Deceded with frequencies of highest magnitude detected by EET 		
	» Decoded with frequencies of highest magnitude detected by FFT		E ~!!! 2010
	Modified Traveling Salesman Problem Solver (Python)		Fall 2019
	» Reduced problem with Flo		
	Max of parallel simulated annealings with randomized hyperparameters		
	Game: <u>Darkness</u> (Java)		Spring 2019
	» Memory maze game with path finding algorithm for hunting enemy		
	» Pseudo randomly generated world with interactive map and characters		
	Cal Hacks: RoboGSI (Java)		Fall 2018
	» Used Twilio and Firebase to search PDF lecture notes with mobile input		input
ORGS	Eta Kappa Nu (HKN) National EECS honor society Spring 2019 - presen		
	» Tutoring Officer: Run review & tutoring sessions for lower division EECS classes		
	» Computing Services: Developed HKN website features using Django		