HAMMAD ZAHID

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EDUCATION

University of California, Davis
B.S Computer Science
Cybersecurity Club, Computer Science Club, Multiple Cultural Organizations
<div align="right">Mar. 2021</div>

Imperial College London, UK
One year study abroad program at the #8th university in the world.
<div align="right">Fall 2019 to Spring 2020</div>

EMPLOYMENT

AT&T | CHIEF DATA OFFICE, STRATEGIC PLANNING
Software Engineering Intern
<div align="right">Dallas, Texas, USA
June 2019 to Aug. 2019</div>

- Developed an Augmented Reality (AR) project with five team members. Goal: To reduce the failure rate in router Customer Self Installations (CSI) saving the company $28M (projected).
- Designed 22 High Fidelity screens for an iOS application prototype using Adobe XD
- Organized micro-services code on an internal application to make it more dynamic and easier for business users.
- Collaborated with cross-functional teams and key stakeholders to bring projects closer to production.
- Designed Project Plan and Pitch Deck for new innovation project using brand guidelines.
- Pioneered novel technical project for internal "Shark Tank" competition. Project: Using Natural Language Processing (NLP) to enhance Business Intelligence (BI), Data Insights, Customer Experience, and Brand Insights by understanding customer reviews and sentiment. Gathered information from across the organization to narrow scope and direction. Presented to Technical and Non-Technical Audience (VP's, Engineers, Supervisors)

SACRAMENTO MUNICIPAL UTILITIES DISTRICT
Software Development R&D Intern
<div align="right">Sacramento, California, USA
Oct. 2018 to June 2019</div>

- Developed Python Web Application to implement SMUD's Pricing API with IFTTT to automate smart home experiences. Demonstrated proof of concept to supervisors and wrote clear, concise technical documentation for a smooth transition to a new developer for further continuation. I also wrote the initial project proposal and presented to supervisors (justification, goals, budget, milestones).
- Automated data mining of 17,000 permit records from the Sacramento City website using Python (Selenium, BeautifulSoup).
- Updated dynamic electricity pricing schedules for 2019 using Excel
- Responsible for User Acceptance Testing (UAT) for a Price Communication App developed by a third-party vendor.

AT&T | NETWORK OPERATIONS CENTER
Engineering and Operations Intern
<div align="right">Sacramento, California, USA
June 2018 to Sept. 2018</div>

- Delivered weekly operational reports from Microsoft Power BI to assist management in operational efficiency and decision making.
- Compared query speeds through SQL database analysis with Oracle TOAD and MS SQL Server Management App.
- Completed Internal Trainings: IP Routing (OSFP, BGP, VRRP), Inter-networking TCP/IP (VoIP, connection and connectionless services, OS model), 4G LTE, spectrum, capacity, and coverage, VoLTE), Software Defined Networking (concept, architecture, uses), Scrum Overview, Design Thinking.

UNIVERSITY OF CALIFORNIA, DAVIS
Economics Research Associate
<div align="right">Davis, California, USA
Jan. 2018 to June 2018</div>

- Analyzed data on the implementation of World Health Organization legal code on infant food products.
- Systematically gathered health outcomes, lobbying efforts, and complaints at the World Trade Organization, impacting direction and content of research paper.

Teaching Assistant, Computer Technology Course
<div align="right">Davis, California, USA
Sept. 2017 to Dec. 2017</div>

- Facilitated teaching in Web Design, Excel with functions, Advanced Microsoft Word, Open Office & Microsoft Access Databases to 80 students weekly.
- Developed teaching material and processes for students to emulate during labs

TECHSOUP, CARAVAN STUDIOS
Product Management Intern
<div align="right">San Francisco, California, USA
June 2017 to Sept. 2017</div>

- Researched UI designs of dashboards, designed InVision prototypes for share feature and created an instructional promo video.
- Hacked Chromecast to display app dashboard analytics on office TV and organized product development life cycle in Trello cards increasing productivity and workflow.

PROJECTS

UC DAVIS PENETRATION TEST
Discovered the vulnerability of 500+ exposed personally identifiable info. Wrote automation script to test vulnerability. Wrote technical documentation of bug and reproduction steps for exploitation. **[Python + Libraries]**

YELLOW PAGES DATA MINER
Built scraper to iterate 1800 URL's and automate data mining of 10,000 units of names, addresses, zip codes and phone numbers for mapping and analysis for a PhD level project. **[Python + Libraries]**

SKILLS

LANGUAGES AND TECHNOLOGIES	SOFTWARE	SOFT SKILLS	NATURAL LANGUAGES
Python, SQL, C/C++	Adobe XD, InVision	Design Thinking, Prototyping	English
HTML/CSS/JS	Jira/Trello/Asana	User Research, Testing, Usability Studies, Heuristics	Urdu
Automation	Adobe Photoshop, Canva	Project Management	Hindi
Kali Linux and associated applications	MS Excel & Access Databases	Agile Methodology	Spanish
TCP/IP Knowledge	Google CoLab	Excellent verbal and written communication	Punjabi
SSH, DNS, HTTPS	Final Cut Pro	Peer-Mentoring	Arabic
VMs	Github	Leadership	
IFTTT		Positive Attitude	
APIs		Public Speaking & Presentation	
Unix/Linux		Technical Writing	
Data Scraping		Attention to detail and strong organization	
Penetration Testing		Sourcing, Collecting & Analyzing Data	
Node JS		Very Coachable and Fast Learner	
Cyber Security		Reverse Engineering	