Kenil Vora

</> kvora97.github.io ✉ kenilvora97@gmail.com kvora97 kvora97 ☎ (858) 257 9640

EDUCATION

UC San Diego B.S. Mathematics and Computer Science - Provost Honors   December 2019
- **Coursework:** Computer Security, Operating Systems, Cryptography, Data Science, Recommmender Systems

EXPERIENCE

Microsoft Incoming Software Engineer Intern | One Drive Sharepoint Team   July 2019 - Sept 2019

PayPal Software Engineer Intern | Core Payments Team   June 2018 - Sept 2018
- Deployed **Highly Scalable** automated internal tools to analyze & optimize Coverage Data for the **Payments Engine**
- Implemented features actively used by the company to fine-tune system stability & eliminate redundancies
- Technologies Used: **Java, Spring Framework, Apache Maven, Apache Groovy, Jenkins, IBM ODM API**

UCSD CSE Department Undergraduate Teaching Assistant | Professor Gary Gillespie   Jan 2018 - Present
- Leading office hours/discussions, grading homeworks/exams & teaching essential software engineering tools
- Analyzing/debugging students code & explaining key programming/software engineering concepts
- Tutoring **Data Structures**, Software Tools and Techniques Lab, and **Object Oriented Design** Courses
- Technologies Used: **C, C++, Java, Python, AWS, Valgrind, GDB, BASH, Unix, Firebase, Travis, Git/Github**

Triton Software Engineering Project Manager   Jan 2018 - Jan 2019
- Leading a cross-functional team of developers/designers & responsible for overseeing quarterly projects
- Delivering reliable pro-bono technical services for non-profits using **Agile Development** Methodologies
- Holding weekly staff meetings, discuss forward planning and setting target goals for new and ongoing projects

San Diego Supercomputer Center Undergraduate Research Assistant   Feb 2018 - June 2018
- Designed interactive online software to collect user metrics & further research efforts on **Internet Topology** at **CAIDA**
- Gamified crowdsourcing data collection tasks to increase user interaction & analyze millions of IPv6 traceroutes
- Technologies Used: **Python, Django, JavaScript, MongoDB**

PROJECTS

Hash for Cash Awarded Best Use of Linode API at LA HACKS   April 2018
- A web application that mitigates DDoS attacks & mines **Bitcoins** by harnessing wasted computational power
- Prevents theft of restricted server files through client-side puzzles making data theft exponentially slower & difficult
- Technologies Used: **Python, JavaScript, JQuery, Django, MySQL, SHA-256**

Food vs Lifestyle Data Science/NLP Research Project   March 2018
- Researched correlations between student dietary choices, their academic performance and overall quality of life
- Performed **Sentiment Analysis** by converting keywords to Count Vectorizers for SVM Model integrations
- Technologies Used: **Python, Natural Language Toolkit (NLTK), Scikit-learn, NumPy, SciPy, Pandas, Keras**

Whispering Pi Voice Controlled IoT Smart Lamp   Dec 2017
- Developed a hardware system that processes input voice commands & returns corresponding output on a LED grid
- Integrated **Amazon Alexa** on RPi & developed customized Alexa skills to achieve **voice recognition** functionality
- A self-aware security system that remotely monitors the surrounding using temperature & noise sensors
- Technologies Used: **C, Python, JSON, SQL, REST API, Raspberry Pi**