

# KenilVora

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## EDUCATION

**UC San Diego** B.S. Mathematics and Computer Science December 2019

- **Coursework:** Computer Security, Operating Systems, Cryptography, Recommender Systems, Data Science, Stats

## EXPERIENCE

**Facebook** Production Engineer Feb 2020 - Present

- Scaling and Growing the worlds largest Social Network
- Technologies Used: **Python, PHP, C++**

**Microsoft** Software Engineer Intern - OneDrive Sync Engineering July 2019 - Sept 2019

- Designed and Delivered a custom rules engine used to optimize **One Drive Sync Client** serving 100M+ customers
- **Improved Sync Efficiency** for 290K+ daily active users by automatically filtering configuration files
- Launched end-to-end client facing features granting personalized sync customizability for power users
- Technologies Used: **Java, Python, C++, Microsoft Azure Devops, Windows Shell API**

**PayPal** Software Engineer Intern - Core Payments 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 - Dec 2019

- Leading office hours/discussions, grading homeworks/exams & teaching essential software engineering practices
- Instructional Staff member for **Software Engineering, Data Structures, & Object Oriented Programming** classes
- Analyzing/debugging students code & explaining key programming/software engineering concepts
- Technologies Used: **C, C++, Java, Python, AWS, Google Cloud Platform, Docker, Hadoop, Spark, Firebase, Travis**

**San Diego Supercomputer Center** Undergraduate Research Assistant Jan 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, OCaml, Django, MongoDB**

## PROJECTS

**Hash for Cash** Awarded Best Use of Linode API at LA HACKS April 2018

- Mitigated DDoS attacks, prevented data theft & harnessed wasted computational power to mine Bitcoins
- Prevents theft of restricted server files through client-side puzzles making data theft exponentially slow & difficult
- Technologies Used: **Python, Django, JavaScript, JQuery, MySQL**

**Whispering Pi** Voice Controlled IoT Smart Lamp Dec 2017

- Developed a self-aware hardware system with **Voice Recognition** functionality using custom **Amazon Alexa** skills
- Implemented a smart cost effective automated security system to control smart devices
- Technologies Used: **C, Python, SQL, Amazon Alexa API, Raspberry Pi**