David Hurng

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💼 PROFESSIONAL EXPERIENCES

IBM -- *Software Engineer*   January 2016 - Current
- Create automation tools using Python/Java/Bash/NoSQL that better the continuous improvement of offered services and accelerate workflow within Watson Data Platform (IBM Flagship Service)
- Utilize open source tools such as Kubernetes to implement Devop practices in order to maintain high availability and scalability of cloud services
- Develop Slackbot features to optimize daily operations and communication among teams using NodeJS and integration of internal Watson Analytics Service

Projects
Dedicated Cloud Environment (Ansible, Docker, Graphite, Jenkins)
Deployed a dedicated cloud environment and configured private networking/monitoring/backup, brought deployment time frame from 2 weeks to 3 days for largest IBM's Watson project (Honorable Mention 2016)

Piper (Cloudant, Cloud Foundry, etcd, Kubernetes)
Designed and driven the development of an automation tool that procured and managed portable ips for internal services that saved valuable time and resources exponentially (2016 Manager's Choice Award)

Opening Doors Foundation -- *Co-Founder*   June 2015 - December 2015
- Designed and developed company website using PHP/Javascript/HTML/CSS while being hosted on private home web server in order to improve onboarding process of tutors and investors

Bromium -- *QA Engineer/Intern*   May, 2013 - December, 2013
- Configured multiple testing environments using Bromium MicroVMs for new builds and augmented legacy builds for compatibility with latest test environments

📖 PERSONAL PROJECTS
Magic Mirror (AWS Lambda Function, Python, Raspberry Pi)
Constructed a "magic mirror" using IOT tools and python scripts that interacted with a custom Amazon Echo skill and multiple APIs such as Philips Hue and Weather

Pupil App (Facebook SDK, Google Maps SDK, Parse)
Created iOS app for Opening Doors Foundation using Swift and Facebook's Parse cloud backend that allowed users to search and connect with nearby tutors and facilitated communication within the community

☆ TECHNICAL SKILLS
Programming Skills: Python, Bash, Java, JavaScript, MySQL, PHP, C, Swift
Tools & Frameworks: Ansible, AWS, Cloudant, Cloudfoundry, Collectd, Docker, Flask, Git, Graphite, Hadoop, Hibernate, Jenkins, Jira, Kubernetes, LDAP, MongoDB, NoSQL, Seyren
Methodology: Agile, Big Data, IOT, Map Reduce, Public Cloud, Software Development Life Cycle

✎ EDUCATION
Bachelor of Science in Computer Science   May 2015
San José State University   Academic Honors: President's List

Master of Science program in Computer Science Candidate   expected:May 2019
Georgia Institute of Technology College of Computing

📈 PROFESSIONAL DEVELOPMENT
Microsoft SJSU '13 Hackathon
HackerRank World Cup '15 Hackathon (ranked 845/1411 World Cup Semi Finals Round)