Alex Addy

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EDUCATION

Rice University
Houston, TX
Computer Science; GPA: 3.93
May 2019

EXPERIENCE

Northrop Grumman Mission Systems
Fairfax, VA
SIGINT Technology Center Intern
May 2018 - Present

Baker Hughes, a GE company
Houston, TX
Digital Technology Leadership Program Intern
May 2017 - Aug 2017
- Developed Tableau reports to drive purchasing expense reduction by unifying part life-cycle metrics from disparate data warehouses across the business
- Released Python project to parse data stored in archived forging specifications into modern relational databases

Doerr Institute for New Leaders
Houston, TX
Special Projects Consultant
Sept 2015 - Oct 2017
- Manage invoicing and payments to contractors providing coaching services
- Assist with the development and execution of metrics to measure students' leadership potential before and after participating in the program
- Serve as a student consultant for the program when determining program content and student recruitment practices

Institute for Human and Machine Cognition
Pensacola, FL
Research Intern
May 2015 - Aug 2015
- Utilized a VMWare testbed to test the performance of an internal network protocol against other internet protocols in lossy radio environments
- Developed a mobile application to interface with location-aware radio communication system
- Implemented a demonstration test-bed for agile computing platform

CERTIFICATIONS

- **Top Secret security clearance with full scope polygraph**

PROGRAMMING SKILLS

- **Languages**: Java8, Python, C/C++, SQL, Go
- **Technologies**: AWS (EMR, EC2), Google Cloud (App Engine), Heroku, Spark, Hadoop, Tableau, Git, Subversion, TFVC, SAP, LaTeX
- **Skills**: computer systems, parallel programming, program design, language design, data science, election systems (cryptography, information-sensitive design, human factors), fundamentals of computer engineering, advanced algorithms

ACCOLADES

- **President's Honor Roll, Rice University** For recognition of undergraduate outstanding academic achievement
- **Greene Prize for Environmental Writing, Rice University** Honorable mention for Cultures of Energy class project

TEACHING

- **COLL 134: How the Web Works** Taught lecture and practicum for non-majors on technologies that drive the modern internet; Rice University student taught course
- **COMP 215: Program Design** Assisted teaching lecture and lab on the principles of programming and functional, polymorphic program design

INTERESTS

- **Rice Academic Fellows Society** Enhance the academic life of residential college and provide free academic assistance to peers
- **Harris County Volunteer Deputy Voter Registrar** Support the civic life of Texas by assisting residents with the voting registration process