

Alex (Thomas) Addy

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EDUCATION

Rice University, Houston, Texas

- Computer Science
 - Cumulative GPA: 3.92
 - High School International Baccalaureate Diploma

Aug 2015 – May 2019

WORK EXPERIENCE

Baker Hughes, a GE company, Houston, Texas

- Digital Technology Leadership Program Intern
 - 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

May 2017 – Aug 2017

Rice University's Doerr Institute for New Leaders, Houston, Texas

- Special Projects Consultant
 - 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

Sep 2015 – Oct 2017

Techsoft, Inc., Pensacola, Florida

- Information Technology Intern
 - Contributed to the planning and implementation of software solutions, including Microsoft Office SaaS products, Windows Server, and server farm virtualization with HyperV
 - Gained experience in a project-based, client-oriented environment specializing in process engineering, software services, and information security for federal government agencies

May 2016 – Aug 2016

Institute for Human and Machine Cognition, Pensacola, Florida

- Research Intern
 - 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

May 2015 – Aug 2015

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.

2015 – 2017

May 2017

TEACHING

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

Spring 2018

Fall 2017/18

SKILLS

- **Computer Science:** computer systems, parallel programming, program design, language design, data science, election systems (cryptography, information-sensitive design, human factors), fundamentals of computer engineering, advanced algorithms
- **Mathematics:** linear algebra, probability and statistics, ordinary differential equations, calculus
- **Program Languages:** Java8 (advanced), Python (advanced), C (intermediate), SQL (intermediate), Go
- **Tools:** SAP, Oracle DB, Tableau, Spark, Hadoop, Amazon Web Services (EMR, EC2, S3), Google Cloud (App Engine), IntelliJ, Git, Subversion, TFVC, Microsoft Office, \LaTeX
- **Top Secret security clearance with full scope polygraph**

INTERESTS

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

Apr 2016 – Present

Oct 2016 – Present