

Alex (Thomas) Addy

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EDUCATION

Rice University, Houston, Texas

- B.S. in Computer Science Aug 2015 – May 2019
 - Cumulative GPA: 3.95/4.0

Pensacola High School, Pensacola, Florida

- International Baccalaureate Diploma Aug 2011 – May 2015

WORK EXPERIENCE

Baker Hughes, a GE company, Houston, Texas

- 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

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

- Special Projects Consultant Sep 2015 – Present
 - 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

Techsoft, Inc., Pensacola, Florida

- Information Technology Intern May 2016 – Aug 2016
 - 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

Institute for Human and Machine Cognition, Pensacola, Florida

- 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

ACCOLADES

- President's Honor Roll, Fall 2015, Fall 2016, Spring 2017, Rice University 2015 – 2017
For recognition of undergraduate outstanding academic achievement.
- Greene Prize for Environmental Writing, Rice University May 2017
Honorable mention for Cultures of Energy class project.

TEACHING

- How the Web Works, COLL 134, Rice University Spring 2018
Lecture and practicum for non-majors on technologies that drive the modern internet.

SKILLS

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

INTERESTS

- **Academic Fellows Society**, Rice University Apr 2016 – Present
Enhance the academic life of residential college and provide free academic assistance to peers
- **Volunteer Deputy Voter Registrar** Oct 2016 – Present
Support the civic life of Texas by assisting residents with the voting registration process