

Alex Addy

<https://alexaddy.info>

EDUCATION

- **Rice University** Houston, TX
May 2019
Computer Science; cum laude, 3.88

EXPERIENCE

- **Coverent** McLean, VA
2020 - present
Data Scientist
 - Implemented algorithms and statistical methods to identify insights and relationships in large volumes of dynamic data
 - Developed scalable, high performance solutions to deploy on large cloud data warehousing platforms
 - Produced analysis products, often interactive, for distribution to a diverse non-technical audience
- **Deloitte Consulting** Arlington, VA
2019 - 2020
Government and Public Services Technology Analyst
 - Developed process automations using Python, interfacing between client systems for multiple financial and IT use-cases
 - Coordinated the design of process documents across customer components to facilitate human capital optimizations
- **Northrop Grumman** Fairfax, VA
Summer 2018
Mission Systems Intern
 - Designed pipeline to facilitate extendable conversion of location data between supplier component and internal projects
 - Constructed comprehensive unit tests to ensure code correctness and output validity
- **Baker Hughes, a GE company** Houston, TX
Summer 2017
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
- **Rice University** Houston, TX
2015 - 2019
Multiple School Year Positions
 - **Office of Institutional Research:** Developed intuitive and engaging visualizations of university data for presentation to the public and administrative stakeholders using Tableau and in-house data warehousing solutions
 - **Department of Computer Science:** Reinforced lecture concepts one-on-one with students as a teaching assistant; worked with class leadership to define standards and grade student work
 - **Doerr Institute for New Leaders:** Managed invoicing and payments to contractors providing coaching services; assisted with the development and evaluation of metrics to measure students' leadership potential before and after participating in the program
- **Institute for Human and Machine Cognition** Pensacola, FL
Summer 2015
Research Intern
 - Utilized a VMWare testbed to test the performance of an internal network protocol against other IPs in lossy radio environments
 - Developed a mobile application to interface with location-aware radio communication system

TECHNICAL SKILLS

- **Languages:** Java8, Python, C/C++, SQL, Go
- **Technologies:** AWS (EMR, EC2), Google Cloud (App Engine), Heroku, Spark, Hadoop, Tableau, Git, UiPath, SAP, L^AT_EX

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

- **Smithsonian Institution** Currently serve as a information specialist, assisting museums with visitor interactions and planning engaging experiences
- **Harris County Volunteer Deputy Voter Registrar** Supported the civic life of Texas by assisting residents with the voting registration process