

CHABRIELLE ALLEN

CONTACT

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EXPERIENCE

- **Support Analyst | Onit | SEPT 2020 – CURRENT**
 - Communicate technical information to clients and cross-functional teams to address client questions and concerns.
 - Scope client asks to customize workflows or improve product performance and user experience.
 - Debug and develop custom workflows and maintain data integrity using Liquid Templating Language.
 - Develop Ruby scripts to pull data from Onit's API for analysis and client data returns.
- **Software Engineer Intern | Microsoft M365 IDEAs | MAY 2019 – AUG 2019**
 - Wrote detailed technical spec outlining technologies and products to be used, pipeline process, data points, and goals and work items.
 - Developed telemetry data pipeline for internal portal used to track tenants' O365 subscriptions/usage using Azure Blob Storage, Data Lake Storage, Cosmos DB, Data Factory, Databricks, and DataBuild.
 - Implemented C# processors and Scope Scripts to read, aggregate, and analyze data and page in website presenting user behavior analyses using React.js, Redux, and TypeScript.
- **Explorer Intern | Microsoft O365 Security | MAY 2018 – AUG 2018**
 - Visualized data from Center for Internet Security configuration scans and Security Technical Implementation Guides in Power BI, allowing teams to view vulnerabilities in configurations of hosts running O365.
 - Built schema, used C# to insert data into SQL Data Warehouse.
 - Pushed data from SQL Data Warehouse to Azure Analysis Services, created relationships within data, and connected to Power BI.
- **Bioinformatics Research Assistant | Rice University Data Sciences Student Program | MAY 2017 – MAY 2018**
 - Wrote documentation for and developed front-end tool, ALPHA, for analysis of large DNA data in phylogenetic trees using Python.
 - Created graphics displaying statistical analyses and comparisons using analysis software such as NumPy, BioPython, Dendropy, ETE Toolkit, PhyloNet, PyQt, and RAXML.
 - Ran simulations to develop and confirm a generalized D-statistic using MakeSample (MS), Seq-Gen, and ALPHA.

VOLUNTEERING

- **Hanszen College @ Rice University | AUG 2017 – MAR 2020**
 - Event Coordinator
 - Orientation Week Advisor
 - Representative
- **Hugh O'Brian Youth Leadership (HOBY) | MAY 2015 – MAY 2016**
 - Community Leadership Workshop (CLW) Coordinator
 - Facilitator

SKILLS

Python, C#, HTML5/CSS3, JavaScript/React JS/React Native/Node JS, Liquid Templating Language, Java, SQL, Ruby, C++

Git/GitHub, Azure, Power BI, SQL Server/SQL Data Warehouse, Trello, Amazon Web Services (AWS), Postman, Google Suite, Microsoft Suite (M365/O365)

CERTIFICATES

Apptitude Developer Level 2
Enterprise Legal Management Level 2
AT&T Summer Learning Academy

EDUCATION

Bachelor of Arts in Religion | Rice University | AUG 2016 – AUG 2020

Relevant Coursework

Computational Thinking
Cross-Training in Data Science
Algorithmic Thinking & Discrete Math
Computer Science Projects
Intro to Object-Oriented Programming
Ethics & Accountability in CS
Web Development

Extracurriculars

Rice QuestBridge Chapter, Student Government, Intramural/Club Basketball, Rice Black Student Association, Rice for Black Life, Women in CS, Tapia Center for Excellence & Equity in Education

AWARDS

QuestBridge Scholar | DEC 2015

Received full-ride scholarship to Rice University based on high academic achievement and community and school involvement.

PUBLICATIONS

DGEN: A Test Statistic for Detection of General Introgression Scenarios

ALPHA: a toolkit for Automated Local Phylogenomic Analyses