School Address: **Travis R. Benedict**   Permanent
Address:
Hanszen College   trb6@rice.edu   16 Palfrey Lane
6350 Main Street   Willingboro, NJ 08046
Houston, TX 77005   (609)-870-7053

EDUCATION
Rice University, Houston, TX
Expected May 2020
- **Bachelor of Arts in Computer Science**
- **Bachelor of Arts in Statistics**

Relevant Coursework: Statistical Machine Learning; Tools and Models for Data Science; Generalized Linear Models & Categorical Data Analysis; Multivariate Analysis; Intro to Database Systems; Reasoning About Algorithms; Applied Time Series and Forecasting; Parallel Programming; Introduction to Program Design

WORK EXPERIENCE
Paycom Software Inc.
Software Development Intern
May 2019 - Present
- Working on a tool that uses computer vision to detect differences in user interface designs

Rice University Houston, Texas
Teaching Assistant - Algorithmic Thinking
January 2019 - May 2019, January 2018 - May 2019
- Assisted in teaching an introductory algorithms course
- Held sessions for students to review proof techniques and algorithmic concepts
- Graded student homework assignments

Drugshoppe LLC Houston, Texas
Data Science Consultant
March 2018 - Present
- Implemented a novel predictive algorithm for determining drug delivery efficacy
- Created a suite of software tools for measuring molecular similarity
- Wrote tools for automated chemical data collection

Rice University Houston, Texas
Research Assistant
May 2017 - May 2018
- Worked in a small team on a large Python based software project that led to two publications
- Created ALPHA, a free open source software tool for automated phylogenomic analysis and data visualization
- Developed and published an algorithm for computing a new statistic to be used in the study of species hybridization

PUBLICATIONS
DGEN: A Test Statistic for Detection of General Introgression Scenarios - WABI 2018,
https://doi.org/10.1101/348649 Presented: 21 August 2018
ALPHA: A Toolkit for Automated Local Phylogenomic Analyses - Bioinformatics, bty173,
https://doi.org/10.1093/bioinformatics/bty173 Published: 19 March 2018

SKILLS
- **Programming Languages:** Advanced - Python, R, SQL   Intermediate - Java, C, Matlab   Proficient - PHP, HTML, C#
- Machine Learning, Statistical Modeling, Keras, Tensorflow, Computer Vision, Image Processing, PostgreSQL, SQL Server, Amazon Web Services, Apache Spark, Hadoop, Git, Subversion

HONORS
- **Rice University** Trustee Distinguished Scholarship
- **TAMUHack** Best First Time Hackathon Team

PROJECTS

School Address: **Travis R. Benedict** Permanent Address:

Hanszen College trb6@rice.edu 16 Palfrey Lane
6350 Main Street Willingboro, NJ 08046
Houston, TX 77005 (609)-870-7053

moodsic - A website where users can take a picture of themselves and be recommended a Spotify playlist based on the mood that they display. Created at TAMUHack using Microsoft Azure Cognitive Services and Spotify APIs.