

John Campbell Hinrichs
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EDUCATION

Texas A&M University (College Station, TX)

Expected Graduation: May 2021

- **Engineering Honors Program**
 - BS in Computer Science; Minor in Economics
 - Research & Undergraduate Thesis on Autonomous Vehicles
- Computer Science GPA: **3.84**
- Cumulative GPA: **3.80**

London School of Economics (London, England)

June - July 2018

- Introductory Microeconomics Course (Grade: A)

St. John's High School (Houston, TX)

Graduated May 2017

- Graduated with High Honors

COMPUTER SCIENCE AND ENGINEERING EXPERIENCE

British Petroleum (BP), High Performance Computing Intern (Numeric Algorithms Group) **May – August 2019**

- Twelve-week internship at Center for High Performance Computing at BP US Headquarters in Houston, TX
 - Ranked the world's most powerful commercial supercomputer in 2017
- Improved server speeds by benchmarking and optimizing socket configuration, job-submission protocol; presented results to Center for High Performance Computing
- Enhanced analysis of potential drilling sites by parallelizing geophysical data processing in Python (fusepy)
- Completed Rice University High Performance Computing (HPC) Boot Camp; focused on practical parallel computing in context of modern supercomputing

Big Data Energy Services Inc, Computer Science Intern (Houston, TX)

July – August 2018

- Automated internal server audit process using Robot Process Automation (RPA) in Winautomation
- Assessed and remediated company network vulnerabilities using Kali Linux network penetration testing
- Strengthened knowledge of cloud computing fundamentals through AWS Cloud Practitioner Course

RigNet, Inc. (RNET), Engineering Intern (Houston, TX)

May – July 2017

- Conducted risk assessment of networks on offshore oil rigs using NIST cybersecurity framework
- Coordinated with global engineering team to compile and organize global IP address database
- Obtained GVF500 Ed2 Introduction to Satellite, GVF510 Ed2 Core Skills for VSAT Professionals

LEADERSHIP AND ACTIVITIES

Economics Research Laboratory Participant (2020)

Texas A&M Engineering Village Peer Mentor (2018 – 2019)

- Selected as Engineering Peer Mentor for Freshman engineering students residing in the Engineering Village
- Responsibilities included leading group meetings, academic advising, individual mentoring

ADDITIONAL INTERESTS

Finance, Golf, Piano, Politics, Languages (Swedish, French), Linguistics, Service Activities