# JONATHAN BUHLER

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## PROFILE

Third-year student at The University of Edinburgh studying Computer Science and Artificial Intelligence. Born in Scotland and raised in New York City, fluent in English and German with US, UK, and German citizenship. Great interest in all things technology, politics, and philosophy.

## EDUCATION

**University of Edinburgh (2017 - present)**
- Studying Computer Science and Artificial Intelligence, electives in Philosophy and Politics
- Member of Model UN Society, attended conferences in UK and Europe, received an award in every attended conference, including Best Delegate at ScotMUN 2019

**Stuyvesant High School (2013 - 2017)**
- Took full three-year sequence of Computer Science courses, including AP C.S. and Software Development
- The most selective of the nine Specialized High Schools in New York City

## EXAM SCORES

**AP Exams:** Computer Science (5 out of 5), Calculus BC (5), English Language (5), US History (5), and European History (5)
**ACT:** 34 (out of 36)
**SAT:** 1540 (out of 1600)

## C.S. Skills

**Languages:** Python, JavaScript, TypeScript, Java, C++
**Libraries:** TensorFlow, scikit-learn, NumPy, Pandas, R.O.S, Vue.JS, React.JS, ExpressJS, MongoDB
**Team:** Project Management experience, research & development

## C.S. EXPERIENCE

### 2019

**Formula Student AI Division**
- Working with Planning & Control Team on a self-driving race car
- Researching and implementing intelligent algorithms for yearly competitions

**SpaceX HyperLoop Competition**
- Building high-velocity pod for yearly SpaceX competition
- Working with Telemetry Technical Team on pod communication and front-end display
- Building framework for a modular system-status dashboard

**Hack The Burgh**
- Team won the ARM challenge and placed third overall

**Google Hash Code**
- Placed top of Edinburgh in the extended round and 239th of 3000 worldwide

### 2018

**Consensys:**
- Interned at the foremost Ethereum company in the world as a software engineer for their R&D division Pegasys
- Worked on EthQL, a GraphQL interface to Ethereum, coded in TypeScript
- Contributed primarily to moving to a new GraphQL engine and adding new query graphs for accessing contract data within the Ethereum Blockchain
- Involved learning much about Solidity's backend and storage mechanisms
- Learnt about working in an AGILE team as well as working remotely with team members
- Received commendations for inventive problem solving, quick learning, and work ethic

## Interests

**Hillwalking:** Part of the University's Hillwalking club, have criss-crossed the Scottish highlands
**Public Speaking:** Participated in Model United Nations for five years
**Photography:** Love taking photos of landscapes, people, and the occasional animal

https://github.com/jonathanBuhler
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