

Tristrum Tuttle

<http://triton11.github.io>
tut@seas.upenn.edu | 814.431.3238

EDUCATION

UNIVERSITY OF PENNSYLVANIA
 BACHELOR OF SCIENCE IN
 ENGINEERING, COMPUTER SCIENCE
 Expected May 2019 | Philadelphia, PA

FAIRVIEW HIGH SCHOOL
 SUMMA CUM LAUDE, 2310 SATs,
 NATIONAL HONOR SOCIETY, AP
 SCHOLAR WITH DISTINCTION,
 NATIONAL MERIT SCHOLAR
 Grad. June 2015 | Fairview, PA

COURSEWORK

UNDERGRADUATE

CIS 120 Programming Languages and Techniques • CIS 121 Data Structures and Introduction to Algorithms • CIS 160 Intro to Discrete Math • CIS 195 Android Development • CIS 196 Ruby on Rails • CIS 240 Introduction to Computer Systems • CIS 262 Automata, Computability and Complexity • CIS 320 Algorithms • CIS 350 Software Design and Engineering • ESE 190 Silicon Garage (Arduino and microcontrollers)

SKILLS

Experienced:

Java • JavaScript (NodeJS, AngularJS) • Android • Python • Ruby on Rails • OCaml • SolidWorks • HTML/CSS

Familiar:

iOS • MySQL • Arduino • MongoDB • MatLab

PERSONAL

Model UN: Serve as Committee Chair of a yearly International Model UN conference for Montessori students in NYC

Other: Penn Running Club • Penn for Privacy • Future of Humanity Society • Casual Chess Player • Intramural Soccer • Wilderness Survival

LINKS

Github:// [triton11](#)
 LinkedIn:// [tristrum](#)

EXPERIENCE

ULTIMATE SOFTWARE INTERN

May 2017 - August 2017 | Weston, FL

- Worked on the Research and Development team to design new features for UltiPro
- Prototyped potential new products using **Angular JS**, **Node JS**, **docker** and **MongoDB**
- Built an app for the ethnography team to organize and transcribe interviews automatically

CIS 195 TEACHING ASSISTANT

Fall 2017 | Philadelphia, PA

- Developed curriculum, held office hours and graded assignments for CIS 195 Android Development

LINGUISTICS DATA CONSORTIUM PROGRAMMER

June 2016 - December 2016 | Philadelphia, PA

- Write **Python** scripts that parse web pages in different languages for use in big data analysis.
- Contributed over 300 commits to the LDC github repository.

AUTISM TELEMEDICINE COMPANY INTERN

May 2016 - December 2016 | Philadelphia, PA

- Built a web app using **Ruby on Rails** and the Stripe API to streamline the process of buying online Autism Telemedicine diagnostic tests.
- Wrote scripts in **Java** to parse large databases of physician emails using the Selenium web driver.

MOELIS ACCESS SCIENCE CS CURRICULUM DIRECTOR

October 2015 - present | Philadelphia, PA

- Develop curriculum for teaching computer science to K-8 students.
- Teach programming using Scratch by MIT to classes of 20+ students at several West Philadelphia K-8 schools.

CAMP FITCH COMPUTER CAMP INSTRUCTOR

Summers of 2015, 2016 | Youngstown PA

PROJECTS Philadelphia, PA

- Aldeator (2017): Creates project ideas using IBM Watson's NLP, Markov Chaining and Google's API. Finalist in the AI category at Ultimate Software's "48 Hours" Hackathon.
- Penn Course Creator (2017): Applied Machine Learning techniques to create an app that estimates the difficulty of imaginary courses at Penn by analyzing its title
- EmergeAlert (2016): Android/iOS messaging app for emergency situations with Slack integration. Won "Best use of Epic API" award at McGill Hacks.
- MUNtopia (2016): Built a Rails web app for Model UN conferences that allows users to draft resolutions, vote on resolutions, and send messages to one another.
- Bluetooth Doorbell (2016): Built a WiFi-enabled doorbell that sends emails to alert its user when someone has pressed it, and can be controlled via Bluetooth.