

Tristrum Tuttle

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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

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 • CIS 541 Embedded Systems • CIS 545 Big Data Analytics • CIS 550 Databases and Info Systems • IPD 515 Product Design •

SKILLS

Experienced:

Java • JavaScript (NodeJS, AngularJS) • Android • Python • Ruby on Rails • OCaml • SolidWorks • REST APIs • C++ • Agile • Scala • HTML/CSS

Familiar:

iOS • MySQL • Arduino • MongoDB • MatLab • C#

INTERESTS

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

LINKS

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

EXPERIENCE

CIBO TECHNOLOGIES INTERN, EXPLORATORY DATA ANALYSIS
 May 2018 - August 2018 | Cambridge, MA

- Built tools to automate data science tasks using Scala in an agile startup environment
- Implemented bayesian statistical analysis of data using ScalaStan, an open-source library for building Stan models
- Added features to EvilPlot, an open-source data visualization library

CIS 195 ANDROID DEVELOPMENT LECTURER, CIS 195
 Fall 2018 | Philadelphia, PA

- Give weekly lectures on Android Development in Kotlin
- Design curriculum, grade homework assignments and host Office Hours

ULTIMATE SOFTWARE INTERN, R+D TEAM
 May 2017 - August 2017 | Weston, FL

- Collaborated on the design of 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

LINGUISTICS DATA CONSORTIUM PROGRAMMER
 June 2016 - December 2016 | Philadelphia, PA

- Wrote **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

PROJECTS

- 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 potential courses at Penn by analyzing course titles
- EmergeAlert (2016): Android/iOS messaging app for emergency situations with Slack integration and NLU - Won "Best use of Epic API" award at McGill Hacks