

Colton Bishop

cmbishop@princeton.edu • bishopcolton.com • (518)744-3011 • 7 Quincy Lane, Queensbury, NY 12804

Education

Princeton University

Princeton, NJ, USA | September 2016-Present

Pursuing B.S.E. in Computer Science (GPA 3.6) with certificates in Applied Mathematics, Statistics and Machine Learning

United World College of the Atlantic

St. Donats, Wales, UK | Graduated May 2016

Secondary School | International Baccalaureate Diploma

Work Experience

Alquilando

Buenos Aires, Argentina | June 2018- August 2018

Software Engineering and Data Analytics Intern

- Built a web app to automate the creation and distribution of contracts, reducing the 25 minute process by 80%.
- Developed software to scrape and analyze market data in five target cities to routinely generate comparative reports.
- Integrated ad campaign data streams with Google Data Studio and Cyfe to design interactive dashboards for analysis.

Environmental Protection Agency

Washington D.C., USA | January 2018 – February 2018

iOS Mobile Development Intern | Office of Digital Services and Technical Architecture

- Pushed version 1.0.10 of the EPA iOS application *HiveScience* to the App Store.
- *HiveScience* version 1.0.10 contributions: developed form submission process and barcode scanning functionality, resolved minor bugs, and responded to user feedback with front end updates.

Department of Computer Science | Princeton University

Princeton, NJ, USA | June 2017 – August 2017

Undergraduate Researcher under Dr. Kevin Wayne

- Participated in the SPE research program, sponsored by a stipend from Princeton's Department of Computer Science.
- Led a team of three to develop a machine learning model to predict and classify user consumption behavior.
- Contributed to student-initiated software projects under the supervision of Dr. Xiaoyan Li.

Ashoka| UK Division

London, UK | April 2015 – April 2016

Program Developer and School Ambassador

- Founded the *Ashoka Changemaker Competition* and developed outreach platform at Ashoka's London headquarters.
- Spoke at the United Kingdom Parliament on behalf of Ashoka to promote their education reform proposal.
- Directed and coordinated the 2016 United World and Model United Nations Conference at UWC Atlantic College.

Selected Projects

Rype: a smart kitchen and shopping assistant that tracks pantry contents, observes user dietary habits, learns how and when ingredients are wasted, and recommends a sustainably prioritized list of potential recipes using owned ingredients.

- Led team of three to design, develop, and launch the iOS application *Rype*.
- Engineered the regression algorithm and ingredient metadata system to prioritize returned recipes.
- Connected the Food2Fork database and used their API to build the searching, sorting and filtering systems.
- Integrated OCR receipt scanning software to automate the repopulation of the user's virtual pantry.

TigerTales: an online marketplace for Princeton students looking to buy and sell textbooks.

- Designed, developed and launched this CAS authenticated, Django-based website and marketplace with team of five.
- Constructed the MySQL database and populated it with data scraped from Amazon and Princeton's records.
- Developed the searching and sorting system and contributed to the automated email notification functionality.
- Managed the migration of the site and database onto the Heroku servers.

Service

National Suicide Hotline and CONTACT Crisis Chat Volunteer

September 2017 – Present

Student leader for Princeton's Davis International Center

April 2017 – Present

STEM Tutor at Mountain View Youth Correctional Facility

January 2017 – October 2017

Honors and Awards

U.S. National Committee Davis Scholar Recipient- recipient of a \$60,000 grant to study at UWC Atlantic College.

Eagle Scout- awarded the rank of Eagle Scout in the Boy Scouts of America.

HOBY Scott Retersdorf Award- awarded at the New York State 2015 HOBY Conference.

U.S. President's Volunteer Service Award

Post Star Teen Excellence Award