

James A. Scharf

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EDUCATION

The Johns Hopkins University – Baltimore, MD

Expected May 2021

- Bachelor of Arts, Political Science
- Minor, Computer Science
- GPA: 3.47

Horace Greeley High School – Chappaqua, NY

June 2017

- GPA: 3.8, Cum Laude

EXPERIENCE

ODN (formerly Open Data Nation) – New York, NY

Summer 2019

Data Science Intern

- Programmed statistical analyses of roadway and car crash data with Pandas and Scikit-learn
- Created maps and visualizations using Geopandas, Geoplot, Seaborn and Matplotlib
- Cleaned and prepared data for machine learning models

The Johns Hopkins University Department of Political Science – Baltimore, MD

September 2018 - Current

Research Assistant for Prof. Adam Sheingate

- Using Python and R to analyze F.E.C. data related to elections from 2010 to 2016 to determine campaign expenditure patterns; creating necessary visualizations for presentations
- Building classifier of natural language using machine learning, pattern matching and query-expansion
- Authoring extensive documentation to communicate methodology and provide accountability

The Johns Hopkins University News-Letter – Baltimore, MD

October 2017 - Current

Staff Writer – News & Features

- Covering news and events ranging from comedy shows to the rising crime rate and its impact on the college community
- Networking to find exclusive and primary sources for publications; have interviewed people such as Bill Miller, donor of \$75 million to Dept. of Philosophy at Johns Hopkins
- Writing for the News & Features, Science & Technology and Arts sections, routinely making the front page
- Articles are available at: <https://www.jhunewsletter.com/staff/james-scharf>

Town of New Castle – New Castle, NY

Summer 2018

Intern

- Researched possible additions to the Town Code by providing comparative memos about other towns' rules and regulations
- Worked with database and municipal software

Institute for Data Intensive Engineering and Science – Baltimore, MD

Spring 2017

Intern – Web Development

- Developed front-end web applications with an intern and PhD
- Redesigned old educational astrophysics webpages

Chappaqua Public Library – Chappaqua, NY

2016 - 2017

Computer Page – Computer Skills Teacher and I.T.

- Conducted one-on-one technology teaching sessions with town residents
- Planned and organized coding workshops
- Selected and installed new workstations

Boy Scouts of America (Chappaqua Troop 1) – Chappaqua, NY

2016 - 2017

Senior Patrol Leader

- Planned and led weekly troop meetings with over 30 attendees
- Educated Scouts in outdoor skills and safety

INTERESTS & OTHER

- **Computer Skills:** Proficiency in MS Office, R, HTML5/JavaScript, Python, C, C++, Java; experience with Unix/Linux, CRM
- **Awards:** Eagle Scout
- **Language Skills:** Knowledge of Latin, basic Spanish (reading), basic Russian (reading)
- **Interests:** Hiking (have visited 13 national parks), Linguistics, Computational Social Science
- **Volunteering:** Tutorial Project