

# James A. Scharf

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## EDUCATION

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**The Johns Hopkins University** – Baltimore, MD

*Expected May 2021*

- Bachelor of Arts, Political Science
- Minor, Computer Science

**Horace Greeley High School** – Chappaqua, NY

*June 2017*

## EXPERIENCE

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**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 the Scikit-learn machine learning framework, 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 publication; 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 and routinely making the front page
- Articles are available at: <https://www.jhunewsletter.com/staff/james-scharf>

**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

**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 2018*

*Intern – Web Development*

- Developed front-end web applications
- Redesigned educational astrophysics webpages using HTML5, JavaScript and WordPress

**Chappaqua Public Library** – Chappaqua, NY

*2016 - 2017*

*Computer Page – Computer Skills Teacher and I.T.*

- Conducted one-on-one PC, Mac, Android, iPhone and iPad teaching sessions with town residents
- Planned and organized Python coding workshops for youths
- Selected and installed new Windows 10 workstations

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

*2016 - 2017*

*Eagle Scout & Senior Patrol Leader*

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

## INTERESTS & OTHER

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- **Computer Skills:** Proficiency in MS Office, 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, Linguistics, Computational Social Science, Electoral Research
- **Volunteering:** Tutorial Project (Spring 2019)