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

Horace Greeley High School – Chappaqua, NY *June 2017*

EXPERIENCE

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 2017*
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

- **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)