Graham P. Patterson

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EDUCATION

Columbia University, *New York, New York*   **Expected 2019**
- Bachelor of Arts in Computer Science, Cumulative GPA: 3.75, Major: 3.89
- Relevant Coursework: Programming in Java, Computing in Python, Discrete Mathematics, Data Structures
- Teaching Assistant: Introduction to CS: Programming in Java, Computing in Python (Summer '17, Fall '17)

EXPERIENCE

Columbia Lightwave Research Group, *New York, New York, Python Developer*   **May 2017—Aug 2017**
- Integrated lightwave instruments into a dynamic software system used in silicon photonics research to empower researchers with a software package that streamlined their laboratory experiments
- Built a comprehensive documentation site using Sphinx and other Python system design tools
- Designed and implemented a socket network for remote interaction with tools and lab stations

Flashpoint, *New York, New York, Cyber Intelligence Analyst Intern*   **May 2016—aug 2016**
- Provided researched analyses to security and intelligence teams across the Fortune 500 and governments to help them both obtain actionable intelligence, as well as gain critical awareness of threatening actors
- Processed primary source data gleaned from Deep and Dark Web using Python, RegEx and other data wrangling tools, in order to provide relevant and consumable intelligence products

United States Marine Corps, *Non-Commissioned Officer, Sergeant*   **Jun 2009—Oct 2014**
- Provided armed internal security and access control at several U.S. diplomatic missions across the world
- Protected diplomatic personnel and ensured the integrity of Top Secret facilities and documents
- Deployed for missions in Kabul, Afghanistan; London, England; Santo Domingo, Dominican Republic

LEADERSHIP

Ivy League Veterans Council, Inc., *Director of Finance, Founding Member*   **Dec 2015—Dec 2016**
- Co-founded student and non-profit organization that lobbies for improved veteran representation at top educational institutions and facilitates

U.S. Embassies Kabul and London, *Operations Officer*   **Dec 2012—Oct 2014**
- Coordinated with other U.S. security agencies, reducing overlap and increasing readiness among teams
- Procedures implemented ensured the integrity of facilities during several complex attacks during tenure
- Lead 4 teams of 14 Marines in daily operations, providing them with occupational expertise and leadership

SKILLS
- **Languages:** Proficiencies in Python, Java, and Modern Standard Arabic
- **Tools:** git, Sphinx, UNIX/Linix environments, OOP design principles, data visualization (Plotly)
- **Honors:** Dean's List ('16, '17 academic years), D.E. Shaw & Co Nexus Fellow (Summer '17)