[**yourpersonal@email.com**](mailto:yourpersonal@email.com)– **Cell: (000) 000-0000** – **Redmond, WA 98052** – **www.**[**linkedin.com/in/rayokadaparker/**](http://www.linkedin.com/in/rayokadaparker/)

**EDUCATION**

**RENSSELAER POLYTECHNIC INSTITUTE (RPI)** **August 2012 – May 2017**

Bachelor of Science, *Chemical Engineering*  **Troy, NY**

**EXPERIENCE**

**MICROSOFT CORPORATION July 2017**

*Data & Artificial Intelligence Consultant* **Redmond, WA**

* Starting in July 2017.

**DISABILITY RIGHTS WASHINGTON (DRW) March 2017 – Present**

*Board of Directors*  **Seattle, WA**

* Advises on issues related to the governance of DRW, in collaboration with advisory councils and other members. Providing guidance on disability policies, DRW priories, budget and helping set the mission and vision of DRW.

**BOOZ ALLEN HAMILTON June 2016 – August 2016**

*Strategic Innovation Group Intern* **McLean, VA**

* Competed with the Infrastructure and Military Health group to develop a lead corrosion monitoring sensor for drinking water and presented to senior executives, in development for the Environmental Protection Agency.
* Developed the technical product using MySQL, Raspberry Pi, microcontrollers, Tableau and various chemicals. Helped formulate business model, marketing strategy, and presentation to experience the consultancy lifecycle.

**RAINMAKEME January 2016 – Present**

*Venture Capital Analyst Intern* **New York City, NY**

* Launched in November 2015 to focus on funding early stage pre-revenue startups. Helping to conduct due diligence for various pre-revenue startups in order to provide details to the executive team and general partner.
* Responsible for evaluating potential investments and developing comprehensive risk analysis reports.

**UNITED STATES BUSINESS LEADERS NETWORK (USBLN) June 2015 – Present**

*Student Advisory Council Board Member & Vice Chair* **Alexandria, VA**

* Currently advising the Board of Director’s on strategic projects to help further the mission of the USBLN in student settings. Mentee in the Career Link Mentoring Program and was mentored by a Lockheed Martin Fellow.

**NORTHROP GRUMMAN CORPORATION (NGC) May 2015 – August 2015**

*Project Management Intern*  **Melbourne, FL**

* Streamlined innovative IT practices within Northrop Grumman’s internal information services department, resulting in the development of an automated database financial forecasting program using Microsoft Access.
* Helped stand up of a series of high-performance computing service, SharePoint websites and other services.

**ORBITAL ATK INC (ORBITAL SCIENCES CORPORATION) July 2014 –December 2014**

*Testing and Environmental Engineering Co-op* **Wallops Flight Facility, VA**

* Contributed to NASA’s Sounding Rocket Operations Contract II (NSROC II), which utilized expendable suborbital sounding rockets to conduct scientific missions to study atmospheric and space environments.
* Used AutoCAD and Solidworks to help model 20+ parts for the Mechanical Engineering Department. Supported over 300+ operations and lift procedures, ran over 150+ tests and won an award for project support.

**BRISTOL-MYERS SQUIBB (BMS) January 2014 – July 2014**

*Downstream Biologics Process Development Co-op* **Hopkinton, MA**

* Worked in the Downstream Process Development group to develop novel separation processes. Focused on process optimization using cation and anion exchange, hydrophobic interaction and affinity chromatography resins for monoclonal antibody (mAb) drugs, including treatment of cancer (Opdivo®) and arthritis (Orencia®). Final processes were optimized by 45%-852% and 23%-144%, for impurity removal and product yield.

**NATIONAL AERONAUTICS AND SPACE ADMINISTRATION (NASA) May 2013 – August 2013**

*Chemical Engineering Intern* **Kennedy Space Center, FL**

* Worked in the Applied Physics Lab on the RESOLVE (Regolith & Environment Science & Oxygen & Lunar Volatile Extraction) Moon Rover, an ISRU (In-situ resource utilization) project with a focus on the Lunar Advanced Volatile Analysis Subsystem, comprised of a gas chromatograph and mass spectrometer. Launch in May 2020.
* Researched, tested and assembled line and circuit heaters, pressure transducers, Resistance Temperature Detectors, temperature sensors, thermocouples, thin film deposition, and thermal profiles cameras.

**LEADERSHIP AND CO-CURRICULAR ACTIVITIES**

**NEXTBILLION.ORG May 2016 – Present**

*Partnership Lead***Vancouver, BC**

* NextBillion.org is an online mentorship and resource/opportunity platform for individuals with disabilities. Serving as the main point of contact for 30+ corporations and university partners. Helping with business development, outreach, community engagement, business operation, and setting the vision and mission for future cohorts.

**UNIVERSITY INNOVATION FELLOWS December 2015 – Present**

*Fellow* **Stanford, CA**

* Part of a national community of students leading a movement to ensure that all students gain the necessary attitudes, skills, and knowledge required to compete in the economy of the future. Run by the National Center for Engineering Pathways to Innovation, National Science Foundation, Stanford University and VentureWell.

**LIME CONNECT June 2015 – Present**

*Fellow & Campus Representative***New York City, NY**

* Selective professional development organization for high-achieving individuals. Made up of partners from IBM, PepsiCo, Google, Target, Goldman Sachs, Bloomberg and JP Morgan. Worked with class deans and students at Rensselaer to organize networking events and provide opportunities for students on campus.

**THE INVENTOR’S GUILD December 2013 – Present**

*Inventor* **Troy, NY**

* The Inventor’s Guild is a think tank and consulting firm promoting innovation and entrepreneurship by helping early stage startups and providing consultation services. Major accomplishments include prototyping the "Best Hardware Hack" at HackNY, organizing student-run lectures similar to TEDx Talks and brainstorming ideas.

**ENGINEERS FOR A SUSTAINBLE WORLD (ESW) September 2012 – September 2016**

*Biodiesel Project Leader, CEO* **Troy, NY**

* Currently leading fifteen student members to build a large-scale biodiesel production platform to be used for sustainable and academic purposes. Raised over $15,000 in funding for the project through various forms of fundraising, such as grants and crowdsourcing techniques, such as Kickstarter and WeR Gold Funding.

**ALPHA PHI OMEGA (APO) September 2012 – Present**

*Pledge Review Board Chair, Captain* **Troy, NY**

* Contributed over 100 hours of community service each semester with over 1,000+ hours of community service. Led and planned 30+ community service events and fundraisers. Lead 20+ people as intramural sports captain.

**OTHER AFFILIATIONS:** The White Key Honor Society, Scottish Rite of Freemasonry, Japanese American Citizens’ League (JACL), Community Advocates, RPI Foundry, DO-IT Mentor, NextBillion.org, Planetary Society, AAAS.

**PUBLICATIONS AND FEATURED PAPERS**

* Parker, Ray (Rensselaer Polytechnic Institute). "Regolith and Environment Science & Oxygen and Lunar Volatile Extraction (RESOLVE) Project." National Aeronautics and Space Administration, KSC, August 2013.
* Chollangi, Srinivas, Ray Parker, and Yi Li. "Development of Robust Antibody Purification by Optimizing Protein-A Chromatography in Combination with Precipitation Methodologies." Biotechnology & Bioengineering. Wiley.

**AWARDS AND ACHIEVEMENTS**

* Honorable Mention at RPI’s Business Analytics Case Study, New York State Business Plan Competition Semi-Finalist, National Biodiesel Conference Scholarship Recipient, Lime Connect Finalist, Best Hardware Hack at HackNY, Debating for Democracy Project Pericles Semi-Finalist, New York Pollution Prevention Grant Recipient, School of Engineering Grant Recipient, Wallops Project Support Award, White Key Honor Society, & Dean’s List.

**SKILLS AND OTHER INFORMATION**

* Software experience includes UNICORN, ASPEN+, MATLAB, Python, SQL, SAS JMP, PyMOL, SolidWorks, RDWorks, AutoCAD, Minitab, Empower HPLC, OneDrive, SharePoint, Google Documents, and Microsoft Office.
* Engineering skills include soldering, machine shop tools, mechanical engineering, mechanical assembly, 3D printing, vacuum chambers, thermocouples, Modified Commercial Off the Shelf (MCOTS) items, pressure transducers, laser cutting, resistance thermal detectors, high-throughput screening, and AKTA Avants.
* Analytical skills include financial modeling, financial analytics, nuclear magnetic resonance (NMR), infrared (IR), ultraviolet (UV), turbidity spectrometry. Excellent project management, business analytics, customer service, oral and written communication skills. Exposure to HMTL, CSS and website development.