AURNOV CHATTOPADHYAY

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EDUCATION

Columbia University, Fu School of Engineering and Applied Sciences New York, NY
GPA: 4.07, B.S. Computer Science, Minor: Economics, CP Davis Scholar *Expected May 2021*

- Relevant Coursework: Honors Intro. to CS, Data Structures & Algorithms, Multivariable Calculus
- Activities and Societies: Columbia Venture Partners (Analyst), One to One Tutoring Program (Coordinator), Application Development Initiative, Sur A Capella (Treasurer)

University High School Irvine, CA
GPA: 4.74, Science Department Laureate *June 2017*

- Relevant Coursework: 19 AP Courses (Include: Computer Science, Calculus BC, English Language)
- Activities and Societies: Speech and Debate (President), Scientastic (Founder, President), World Vision (President), Mock Trial (Vice President), Science Olympiad, Science Bowl, Madrigals Choir

WORK EXPERIENCE

Bowery Capital, *Venture Analyst* New York, NY (Jan. 2018 – Present)

- Investment Work: Due Diligence on Prospective Companies, Industry Analytics with Salesforce
- Acceleration Work with B2B SaaS (Business to Business, Software as a Service) Companies

Perotte Lab, *Research Assistant* New York, NY (Sept. 2017 – Present)

- Research on application of statistical machine learning techniques to elucidate impactful health diagnostics from spectroscopic analysis of blood to develop wearable healthcare devices
- Work is coordinated with clinical trials in Columbia University Medical Center

WebValley, *Data Science Research Fellow* Trento, Italy (Jun. – Jul. 2017)

- Applied AI in Agriculture developing ML algorithms to predict fruit maturity from portable spectrophotometry and predict crop yields through drone imaging computer vision
- Selected as one of 20 students for the program sponsored by CAVIT, Microsoft, and Intel

Hsiao Lab, *Simon's Summer Research Program Fellow* Stony Brook, NY (Jun. – Aug. 2016)

- Identified a novel class of cellulose based adsorbents with the highest efficiency in removing lead, cadmium, and uranium from water reported to date in scientific literature, at 5% commercial cost
- Coauthor of 3 publications in ACS Journals, with work patented and intent of commercialization

TECHNICAL SKILLS, PROJECTS, AND AWARDS

Skills *Programming:* Java, Python, R, SQL, MATLAB, Azure, Tableau, Git, HTML, CSS, JavaScript
Certifications: Microsoft Professional Program in Data Science, W3C Front End (In Progress)

Projects (Tech)

- *One2One Tutoring Website* powered by WordPress, customized with HTML / CSS
- *Sorption Analysis* R package for isotherm visualization of sorption experiments (CRAN)
- *Premium Price Predictor* Web App with ML Backend for predicting life insurance quote pricing without client preconditions (YHack, Vitech Challenge)
- *Lacktose* Android App for dairy intake recommendations and monitoring (In Dev.)
- *Itsy Bitsy Spider* Custom Arduino LCD game where users navigate spiders out of water
- *Sit Stand Stretch* Chrome Extension with ergonomic browsing notifications (In Dev.)

(Other)

- *Scientastic* Multichapter student run nonprofit dedicated to turning science into stories that has impacted 5,000+ students through programs and exhibitions
- *Curioscience* Intercollegiate Science Curriculum Development Group (In Dev.)

Awards National Merit Finalist, National AP Scholar, Regeneron STS Scholar, Siemens Competition Semifinalist, Intel ISEF Finalist, Award of Congressional Recognition, Presidential Volunteer Service Award: Gold, NASA International Space Settlement Competition Champion