

JOHN J. KIM

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Education

Bachelor of Science in Computer Science | University of Virginia | Charlottesville, VA | AUG 2018 - MAY 2022

- **GPA:** 3.3
- **Notable Achievements/Positions:** VP of Data Analytics of HooThinks | Basketball Referee for Intramural Recreation | Teaching Assistant for Theory of Computation

Skills/ Relevant Coursework

Skills

- Programming languages: Python | Java | C, C++ | Javascript | Assembly x86
- Other Tools: HTML | Matlab | Adobe Premiere | Mathematica | Jupyter Notebooks | Flask | Django | CSS | Travis CI | React

Relevant Coursework

- **Computer Science:** Intro to Computer Programming | Intro to Software Development | Program and Data Representation | Digital Logic Design | Algorithms | Theory of Computation | Advanced Software Development | Computer Architecture | Software Testing | Introduction to Statistics with Python | Discrete Mathematics | Operating Systems
- **Applied Mathematics:** Multivariable Calculus | Linear Algebra | Probability

Work/Research Experience

HooThinks - Data Science Team | VP of Data Science | AUG 2019 - Present

- Assisted in the creation of data workshops and presentations to teach other members
- Consulted with clients face to face to tailor a product to needs

University of Virginia - CS Department | Teaching Assistant for Theory of Computation | AUG 2020 - DEC 2020

- Hosted graded testing discussions and assessed students understanding
- Engaged with students in held office hours

Smart Cville - Bus Transit Project | Software Developer/Researcher | MAY 2020 - DEC 2020

Link: <https://github.com/ShivaniSurti/CATtransit>

- Coordinated with two undergraduate students to construct a web framework to visualize bus data
- Employed Google colab data sheets to process and develop interactive map objects
- Programmed front end development using HTML and CSS
- Cooperated with Smart Cville directors to customize tool for Charlottesville's local government

Projects

NBAOpinion Webtool | Co-developer | JUNE 2020 - Present

Link: <https://github.com/JohnKim08/NBAOpinion>

- Used web scraping techniques to obtain user comments from Reddit posts
- Deployed sentiment analysis on comments to view favorability of users opinions on NBA players
- Manipulated data with Google charts to generate a visually pleasing chart
- Utilized Python framework Flask to produce site

Microdollars Webtool | Scrum Master | AUG 2020 - DEC 2020

Link: <https://github.com/JohnKim08/2JV>

- Constructed a donation webtool that allows users to give funds to charities
- Launched website on Heroku using tools like Travis CI