Shreyas Mohan

630-815-8510   shreyas5@illinois.edu   3155 Bennett Place, Aurora, IL
www.linkedin.com/in/shreyshrey1   www.github.com/shreyshrey1   https://shreyshrey1.github.io/

Education

UNIVERSITY OF ILLINOIS AT URBANA CHAMPAIGN – BS COMPUTER ENGINEERING　　　**2017-MAY 2021**

> Awards/Merits: James Scholar, Chancellors Scholar (CHP), Provost Scholar
> Relevant Coursework: Intro to C Programming, Intro to Electronics, Discrete Structures, Linear Algebra
> GPA: 3.98

METEA VALLEY HIGH SCHOOL　　　**AURORA, IL – 2013-2017**

> Awards/Merits: National Merit Scholar, National AP Scholar, Illinois State Scholar
> Activities: Science Olympiad (leader), WYSE (leader), Math Team, Orchestra, 150 volunteering hours
> GPA: 3.96 Unweighted, 4.59 Weighted, Summa Cum Laude

Skills

Familiar with: **Python**, **C, SQL, C#, Javascript, Git**
Frameworks: **Flask, React.js, SQL Alchemy, PostgreSQL**

Experience

COURSE ASSISTANT, CS 196, UIUC　　　**URBANA-CHAMPAIGN, IL – JAN 2018-PRESENT**

- Part of homework team that designs python homework assignments for the students that mimic interview questions
- Project manager for a group of students working on a project of their choice

INTERN, ELECTRONIC VISUALIZATION LAB, UIC　　　**CHICAGO, IL – SUMMER, 2016**

- Developed a virtual/augmented reality application for the *CAVE 2* and *Microsoft Hololens* that teaches the user how to play the viola under Professor Andy Johnson and Mr. Lance Long.
- Used *C#, Javascript and Unity*. For more information, please visit: https://www.evl.uic.edu/entry.php?id=2237.

RESEARCHER, FERMILAB　　　**BATAVIA, IL – SUMMER, 2016**

- Wrote python scripts in *Jupyter Notebook* that analyzed large data sets from the Compact Muon Solenoid (CMS) experiment at CERN to discover new particles and physical properties under Professor Mark Adams.
- For more information, please visit: https://goo.gl/cHNv3t

Projects

HACK4IMPACT; MAP STORIES (INTERACTIVE MAP WEBSITE)　　　**URBANA-CHAMPAIGN, IL – FALL 2017**

- Worked on Neighborhood News Bureau's core web-app to increase African American History awareness with agile workflow.
- Implemented *Flask/PostgreSQL REST API* and assisted designing the architecture of the application along with database structure. GitHub: https://github.com/hack4impact-uiuc/nnb-backend

MATH 199; PROBABILITY IN THE REAL WORLD　　　**URBANA-CHAMPAIGN, IL – FALL 2017**

- Wrote python scripts in *Jupyter Notebook* to analyze famous probability problems like the Birthday Problem, Zipf's Law, and baseball statistics.
- Github: https://github.com/shreyshrey1/Random-Probability-Projects

Activities

BACKEND DEVELOPER, HACK4IMPACT　　　**URBANA-CHAMPAIGN, IL – FALL 2017-PRESENT**

- Backend developer for Hack4Impact, a student-led non-profit that creates software products for other non-profits.
- One of the first members of the organization and shipped first project to our client beginning of 2018.

OUTREACH TEAM, HACKILLINOIS　　　**URBANA-CHAMPAIGN, IL – FALL 2017-PRESENT**

- Responsible for sending out emails to prospective sponsors and mentors for the University's large open source hackathon in February.