Jit Patil

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EDUCATION

University of Wisconsin Madison – Madison, WI
Bachelors of Science in Computer Science; May 2019
Cumulative GPA: 3.84

- Introduction to Data Structures
- Machine Organization and Programming
- Introduction to Operating Systems
- Introduction to Programming Languages & Compilers
- Introduction to Human Computer Interaction
- Discrete Mathematics
- Introduction to Artificial Intelligence
- Introduction to Algorithms
- Introduction to Cryptography
- Introduction to Software Engineering

PROGRAMMING EXPERIENCE

Get Loose (Java)
- Creating an android application to help users improve their flexibility and mobility

xv6
- Experimented with the MIT developed xv6 OS kernel by improving its virtual memory subsystem, introducing concurrency by adding support for multithreaded processes, and by adding integrity-checking to the filesystem to protect against data corruption

Moo
- Created a programming language by building the front end (scanner, parser, semantic analyzer) and back end (optimizer, code generator) of a compiler

TECHNICAL SKILLS

Programming Languages: Proficient: Java, Python, C, HTML, CSS   Experienced: C++, JavaScript, Fortran
Technologies/Frameworks: Redux, React, Jest, Puppeteer, Git, Jira, Visual Studios, Eclipse

WORK EXPERIENCE

May 2018 – Aug 2018   **Software Engineering Intern at Sony Interactive Entertainment PlayStation, Middleton, WI**
- Developed features and tests for a centralized business logic client library used by PlayStation commerce applications that account for most of the firm's digital sales revenue
- Collaborated with a team to define and deliver new features within an agile process

Jan 2017 – Present   **Programmer at United States Department of Agriculture - Research Center**, Madison, WI
- Developing the 'Ruminant Farm Systems Model' to allow researchers to simulate the processes that occur within the soil, crops, animals, and manure on a farm
- Analyzed, updated, and expanded existing code of an outdated integrated farm systems simulation model to make it more serviceable for researchers

LEADERSHIP AND TEAMWORK EXPERIENCE

July 2018   **Winners: Sony PlayStation Hackathon**, Middleton, WI
- Developed a tool which allowed publishers to display their content on PlayStation stores

Oct 2016 – May 2017   **Media and Captioning Specialist at McBurney Disability Resource Center**, Madison, WI
- Worked with faculty to create captioned media for students who are Hard of Hearing

2014 – 2015   **Varsity Boys Soccer and Baseball –** acknowledged as 'Best Sportsman (Soccer)', 'Most Valuable Player (Baseball)', and 'Most Improved Player (Soccer)'

AWARDS

2015-2017   **Dean's List** (Fall 2015, Spring 2016, Fall 2016, Spring 2017, and Spring 2018)
2014 & 2015   **Scholar Athlete of the Year** (Ruamrudee International School, Bangkok, Thailand)