

Jit Patil

Email: spatil5@wisc.edu

Apt# 839, 432 W Gorham St, Madison, WI 53703

Phone: 608-622-0050

Github: github.com/satyajit-patil

Website: www.satyajitpatil.com

LinkedIn: [//satyajit-patil-72bb64113](https://www.linkedin.com/in/satyajit-patil-72bb64113)

EDUCATION

University of Wisconsin Madison

Bachelor 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 Artificial Intelligence
- Introduction to Algorithms
- Introduction to Human Computer Interaction

TECHNICAL SKILLS

Programming Languages: Proficient: Java, Python, C, HTML, CSS, SCSS Experienced: C++, JavaScript, Fortran
Technologies/Frameworks: Redux, React, Spring MVC, AngularJS, MySQL, Node, Jest, Puppeteer, Mocha, Git, Jira

WORK EXPERIENCE

- May 2018 – Aug 2018* **Software Engineering Intern at Sony Interactive Entertainment PlayStation, Middleton, WI**
- Helped develop features, such as auto-downloading, 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 small 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' (Python) to allow researchers to simulate the processes that occur within the soil, crops, animals, and manure on a farm
 - Working with soil scientists to model the accumulation of nutrients in the soil
 - Updated a long-standing simulation model to provide researchers with more accurate data

PROGRAMMING EXPERIENCE

- Get Loose (Java)**
- Creating an android application to help users improve their flexibility and mobility
- xv6**
- Experimented with the xv6 kernel by improving its virtual memory subsystem, introducing support for multithreaded processes, and by adding integrity-checking to the filesystem to better understand operating systems
- Moo**
- Built the front end (scanner, parser, semantic analyzer) and back end (optimizer, code generator) of a compiler to create a unique programming language
- Vigore**
- Developing a platform for users to debate in an organized, well-regulated manner

LEADERSHIP AND TEAMWORK EXPERIENCE

- July 2018* **Winners: Sony PlayStation Hackathon, Middleton, WI**
- Developed a tool which let game publishers 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)