

Joseph Pate

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EXPERIENCE

International Gaming Technology, West Greenwich, RI — *Software Engineer Intern*

June 2022 - Present

- Developed and tested in backend development to enhance and debug IGT's servers
- Developed, validated middleware as it relates to IGT's web application products
- Was a part of a software engineering team that uses dynamic project management platforms such as Jira

Juni Learning, remote position — *Computer Science Instructor*

June 2021 - November 2021

- Instructed students 8-18 years old
- Taught a variety of languages and computer science skills in a 1 on 1 setting
- Languages taught included Python, Java and Scratch

Brown University, Providence, RI — *Research Assistant*

June 2021- May 2022

- Assistant to Brown University Research Professor
Ingrid Daubar
- Worked with a machine learning algorithm that detects impact craters based on image inputs
- Modified and translated an algorithm that produced an area time function for Mars surface images
- Worked alongside Jet Propulsion Laboratory members and co authored a paper titled "Using Machine Learning to Reduce Observational Biases When Detecting New Impacts on Mars"

Noodle, New York City (remote internship) — *Tech Intern*

June 2020 - January 2021

- Worked as a tech and project management intern for Noodle, an online company that aims to make education more accessible.
- Managed peer projects using project management software such as Jira and Confluence.
- Edited and updated Noodle's frontend with web developing

LANGUAGES

Proficient in C, Python, Java, SQL, Shellcode, HTML, CSS, Matlab, R, coding languages

Experience with HTML, React, Javascript, Go, C# coding languages

COMPUTER SKILLS

Jira and Confluence (with methodologies like Scrum)

Git control system/Github

Strong familiarity with Linux systems

Experience using Wordpress and Webflow for frontend design

Adobe Photoshop, Illustrator and Premiere Pro

Microsoft Suite (Word, Excel, PowerPoint)

OTHER SKILLS

Good interpersonal and public speaking skills.

Adaptable and flexible

Thrives in both a team environment, can also work independently

AWARDS

High School Valedictorian Graduated with the highest rank in my class. (4.0 GPA)

US Presidential Scholar Nominee

An award that is given out based on the highest ACT and SAT scores in the nation

software like Wordpress

- Developed and tested alongside Noodle's backend Dev-Ops team

EDUCATION

Sitka High School, Sitka, AK — *Graduate Degree*

August 2015 - May 2019

Brown University, Providence, RI — *currently enrolled*

August 2019 - PRESENT

- In academic good standing. Intended majors are a BSc computer science and an AB in Earth Environmental and Planetary Science. Involved in Brown Debating Union, Fashion at Brown, Greek Life, Brown Running Club.

RELEVANT COURSES

Object-Oriented Programming

Algorithms and Data Structures

Software Engineering

Computer Systems

Systems Security

Software Security

UI/UX

PUBLICATIONS LINKS

