

# Rickie Cheng

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## Education

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### The Penn State University

University Park, PA

B.S Information Sciences and Technology, Design and Development  
May 2021

GPA: 3.60/4.00, Dean's List (2019–2021)

## Skills

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**Programming Languages:** Python, Java, C, Javascript

**Front-end:** HTML5, CSS3, Bootstrap, jQuery, React

**Back-end:** ExpressJS, NodeJS, Django, MongoDB, Mongoose, SQL, REST

**Other Applications:** MS Office, Git/GitHub, Trello, AdobeXD

## Experience

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### Full Stack Developer Intern

(Sept 2020 - June 2021)

Nittany AI Alliance - Penn State Office of Annual Giving

State College, PA

- Created a full-stack web application to improve search results for donors searching for organizations to donate. Created with HTML5, CSS, Javascript, Django, AWS.
- Created UML diagrams and wiki articles detailing the entire system to assist in handover.
- Implemented analytical features to assist in determining future marketing strategies.

### Front End Developer Intern

(May 2020 - Sept 2020)

Nittany AI Alliance - Avantor Science

State College, PA

- Worked in a SCRUM environment to create a full-stack web application to predict inventory stocks for Avantor using ARIMA AI. Created using HTML5, CSS, Javascript, ExpressJS, NodeJS.
- Constructed white paper to explain step by step details and future instructions for the program.

### Undergraduate Learning Assistant (Penn State University)

(Jan. 2020 - Jan. 2021)

Info, People And Tech (IST 110) and App Dev Design Studio I (IST 261)

University Park, PA

- Held office hours to assist in debugging, researching, and assisting students' programs.
- Graded and provided critical comments to assignments and input those grades into gradebooks.

## Projects

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### SocialHoL.com

- Interactive web application using MERN stack that simulates a game of higher or lower of an online creators' videos and content. Worked with multiple API's such as Twitch and Youtube.

### Web Developer Bootcamp (Udemy)

- Made over 10 different web applications using HTML5, CSS, Javascript and additional backend languages such as NodeJS, ExpressJS, and MongoDB.

### Emergency Ticket System (IST331)

- Collaborated in a 4man team and implemented a ticket system for emergency disaster situations for EMS services. Worked in a SCRUM environment, creating user stories, wireframes, and sprints. Created using Java and JavaFX.

## Extracurriculars / Activities

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### Maguire Scholarship Program

- Dedicated to leadership & community service. Founded and organized the Maguire Cultural Fair.

### Penn State Esports Club ([psuesports.com](http://psuesports.com))

- Created and designed a website with a team of graphic designers for a club with a student body of over 3000 members. Generated over 3,000 new users over one year of redesign.