

Avery Peck

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Education

Illinois Institute of Technology, Chicago, IL

Aug 2017-Dec 2021

- GPA: 3.85, Specializing in Distributed and Cloud Computing
- Expected graduation Dec 2021 with Bachelor's in CS and Master's in CS

Experience

Research Assistant, Illinois Institute of Technology

Jan 2020–Present

- Worked under Dr. Zhiling Lan, on her research project studying the performance of a disaggregated memory architecture system at Argonne National Laboratory
- Created performance measurement scripts for running parallel computing and machine learning benchmarks on various configurations of the system
- Presented findings in a paper submitted to two high-performance computing conferences

Research Assistant Intern, Argonne National Lab

May 2020–Aug 2020

- Worked for the Leadership Computing Facility researching the performance of high performance computing workloads on a disaggregated memory architecture

Teaching Assistant, Illinois Institute of Technology

Sep 2018–May 2020

- Assisted professors in Computer Science labs by proctoring tests, facilitating discussion of concepts, and helping students with in-class work
- Created slides and tutorials for various concepts to supplement lectures.

Web Developer, Binder LLC

March 2019–Dec 2019

- Primary developer for Binder, a SAAS platform enabling companies to easily and securely track technical resources.
- Used a Mongo/Express/React/Nodejs stack to build parts of the application
- Used AWS Elastic Beanstalk to quickly deploy changes through pre-prod environments

Software Engineering Intern, Northwestern Mutual; Milwaukee, WI

May 2019–Aug 2019

- Logged incoming GraphQL queries received by my team's micro-services
- Wrote a C# micro-service to parse the queries and send to a queue
- Created an AWS SQS queue Lambda function, and Elasticsearch cluster with a Kibana dashboard, to view frequency of queries, fields, and calling applications
- Wrote GraphQL schema and resolver updates, as well as tests for new functionality

Software Dev. Intern, Clearent LLC; St Louis, MO

Summers 2016, 2017, 2018

- Wrote Java and Javascript code for a payments API built in Spring Boot
- Implemented auto-documentation for payment transaction APIs using Swagger(2017)
- Corrected and expanded existing API documentation for Clearent's APIs (2016)

Extracurricular

President, Association for Computing Machinery - Women

Jan 2018–Present

- Planned speaking events, technical workshops, and conferences for IIT's chapter of ACMW
- Worked as an ACMW teaching scholar, holding tutoring hours, teaching supplementary workshops, and interacting with professors to improve the experience of women in IIT's CS department
- Created and launched a website for the chapter (www.acmw-iit.org)