PRADYUMNA SHOME

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EDUCATION

University of Illinois at Urbana-Champaign (UIUC)　　　　　　　　　　Champaign-Urbana, IL
BS in Computer Science ·James Scholar ·Dean's List　　　　　　　　　　　　　*Aug 2017 - May 2021*

Course Assistant: CS 233 *(Computer Architecture)*, CS 241 *(System Programming)**

Relevant Coursework: Machine Learning*, Randomized Algorithms*, Computer Security I, Combinatorics, Algorithms and Models of Computation, System Programming, Data Structures, Numerical Methods, Computer Architecture, Data Visualization

* = current

EXPERIENCE

Salesforce　　　　　　　　　　　　　　　　　　　　　　　　　　　　San Francisco, CA
Software Engineering Intern, Records Experience, Platform Cloud　　　　　　*Jun 2019 - Aug 2019*
- Created a Lightning Web Components (LWC) app to automatically suggest test plans for a new user story, by implementing learning algorithms to process the natural language description of the work items, and acceptance criteria of the feature
- Wrote UI and Back-end unit tests using Jest and Apex Test Framework respectively, and set up CircleCI for continuous integration
- Reduced time spent by engineering teams manually compiling test plans by 13 days *per feature*
- Built intern-matching application to help bolster personal connections, that introduces interns to other interns every week

Virtusa　　　　　　　　　　　　　　　　　　　　　　　　　　　　　New York, NY
Software Engineering Intern, Media & Content Division　　　　　　　　　　　*Jul 2018 - Aug 2018*
- Created serverless cloud app and supporting data lake to model, process, and aggregate computer vision data for predictive analytics
- Implemented reference business intelligence (BI) tool, using NLP generative models (LDA, NTM) to gain insights on social media reactions to popular films and TV shows

University of Illinois Computer Science　　　　　　　　　　　　　　Champaign-Urbana, IL
Course Assistant, CS 241: System Programming　　　　　　　　　　　　　　*Jan 2019 - Present*
- Lead a lab section, conduct office hours, and develop assignments to help students learn system programming concepts such as networking, memory, processes, concurrency, inter-process communication, filesystems, and scheduling
- Contribute content to and maintain course textbook, and website

HackIllinois　　　　　　　　　　　　　　　　　　　　　　　　　Champaign-Urbana, IL
Systems Developer　　　　　　　　　　　　　　　　　　　　　　　　*Apr 2018 - Feb 2019*
- Developed Go microservices to enable user authentication, authorization, event registration, and notifications via mobile app clients, including CI / CD pipeline (Travis, AWS CodePipeline, Amazon ECS).
- Added features such as user mocking, OAuth single sign-on, multi-tier decision review, templated mail, error handling and CRUD (with MongoDB).
- Created QR code scanner in Android app to track participant statistics for meals and mini-events.

Reflections | Projections　　　　　　　　　　　　　　　　　　　Champaign-Urbana, IL
Lead Web Developer　　　　　　　　　　　　　　　　　　　　　　　　*Jan 2018 - Sep 2018*
- Principal full-stack developer of website written in ES6 using ReactJS, Webpack, and Nginx.
- Integrated in-house registration API that brought in 2200+ applicants.
- Mentored junior developers through code review and pair programming.

TECHNICAL SKILLS

- **Computer Science Interests**: Computer Security, Machine Learning, Systems

- **Programming Languages**: Python, C, Java, Go, C++, Kotlin, HTML, CSS, JavaScript

- **Tools + Frameworks**: Cloud (AWS, Firebase, Travis, Serverless, Docker); Databases (MongoDB, MySQL); Web (Web Components, React, Node.js); Version Control (Git, SVN)