

Pradyumna Shome

Personal Info

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GitHub
github.com/PradyumnaShome

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pradyumnashome.com

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linkedin.com/in/shomep

Education

Aug 2017 - May 2020
BS, Computer Science,
University of Illinois at
Urbana-Champaign
James Scholar, College of Engineering

Skills

Programming Languages: Java, Python, C++, Go, HTML, CSS, JavaScript, Verilog

Platforms: Android, Web

Databases: Relational (MySQL, MariaDB) Non-relational (MongoDB, Firebase, Amazon DynamoDB)

Tools + Frameworks: Amazon Web Services(many), Azure, Bootstrap, Node.js, Express.js, React, Flux/Redux, Git, SVN, GDB, Unity3D, Scikit-Learn, jQuery, Travis CI, Docker

Courses

Software Design Studio

Data Structures

System Programming

Computer Architecture

Numerical Methods

Udacity 120: Intro to Machine Learning

Achievements

Illinois Engineering Achievement Scholarship

Dean's List

AP Scholar with Distinction

Experience

Jul 2018 - Aug 2018	Software Engineering Intern <i>Virtusa</i> <ul style="list-style-type: none">Applied data science to time series data to power an upcoming video-on-demand productUsed cloud infrastructure to build a serverless app using data lakes to model, process, aggregate and eventually, use ML models for predictive analytics
Apr 2018 - present	Systems Staff <i>HackIllinois</i> <p>HackIllinois is a premier intercollegiate hackathon with an emphasis on the open-source development model.</p> <ul style="list-style-type: none">Worked on a collection of Go microservices that provided end-to-end support to staff and participants for admissions, registration, mini-events and in-event notifications via mobile app clientsFeatures involved concurrency, OAuth, templated mail integration and CRUD (with MongoDB)
Jan 2018 - present	Website Staff <i>Reflections Projections</i> <ul style="list-style-type: none">Used modern Web development tools such as Webpack, React and Bootstrap to develop the official website for Reflections Projections, a student-run technology conference
Aug 2018 - present	Course Assistant <i>UIUC CS 233: Computer Architecture</i> <ul style="list-style-type: none">Holding office hours / assisting TAs in lab sections for students in an undergraduate computer architecture course

Projects

Jul 2018	Markdown Parser <p>An in-progress markdown parser that converts valid Markdown to HTML, written in Python. I wrote this as a fun way to understand more about lexical analysis and transpilation.</p>
Dec 2017	Pixeloca <p>A photo-sharing social networking service featuring location-tagging, built as an Android app.</p>
Jun 2017	HeartnetIndia <i>Full Stack Web Development</i> <p>An online appointment scheduling web app, as well as cardiac risk factor and physician onboarding survey forms for a pilot tele-ECG screening program, at HeartnetIndia.</p>
Nov 2015	NPSCConnect <p>A learning management system implemented as a Web + Android app. NPSCConnect features audio summaries of high school textbooks, and online homework / assignment management. It facilitates student-teacher interaction in the form of virtual "office hours" through the use of an IRC plugin.</p>
Jun 2014	The Farmer's Market <p>A web app that provides real-time government crop procurement prices and weather information to rural Indian farmers, via SMS, through web scraping. It eliminates middlemen from the procurement process and ensures farmers fair compensation</p>
Jul 2015	SimpleCabs <p>A taxicab aggregator in Node.js using the Cheerio web scraping module. It uses cab fares, online reviews, as well as the area serviced by each operator, to suggest a service for the user.</p>