

Matthew Shan

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Coding Experience

Angular C++
Node React
Python Java
HTML CSS
Swift Kotlin

Technical Skills

- Unix Shell Scripting
- Full Stack Web Dev
- Unit Testing
- Git Version Control

Education

University of Notre Dame
Class of 2021
B.S. Computer Science
GPA: 3.72
Relevant Courses:

- Fundamentals of Computing (C++)
- Discrete Mathematics
- Data Structures (C++)
- Systems Programming (Shell/Bash, Python, C)
- Data Science (Python)
- Full Stack Web Dev (Angular, NodeJS, HTML, CSS)
- Algorithms (Coursera: Stanford)
- Programming Paradigms (Java, C++, Javascript)
- Programming Challenges (C++, Python)
- Computer Architecture (C)

Professional Experience

Covur | South Bend, IN May 2018- Present
Junior Web Developer - Intern

- Led development of autonomous email and billing feature in use by 50 local businesses
- Designed custom image filter for streamlined email creation reaching 15000 consumers
- Implemented backend unit tests and integration tests for over 30 new features
- Collaborated with coworkers on projects using agile design and scrum frameworks

Promazo: General Electric | South Bend, IN July 2018- August 2018
Software Engineer - Intern

- Constructed a memo application using the MEAN stack utilized by 90 GE employees
- Designed an api that generates a styled pdf for monthly reports
- Communicated with the COO of GE Ventures weekly to discuss progress and objectives
- Scaffold front-end sections of the memo app to comply with GE standards and mock ups

Amaforge Scry | South Bend, IN July 2018- August 2018
Software Engineer - Intern

- Developed full-stack web app to leverage custom NLP services to provide research assistance to
- Designed an api that generates a styled pdf for monthly reports
- Communicated with the COO of GE Ventures weekly to discuss progress and objectives
- Scaffold front-end sections of the memo app to comply with GE standards and mock ups

Projects

Duncan Directory App 2018

- Allows the user to search through a directory of the Duncan Student Center
- Displays relevant information and images related to the search
- Supports user submitted events for the student center and email notifications on updates
- Structured using the MEAN stack (MongoDB, Express, AngularJS, NodeJS)
- Managed directory information through a MongoDB database with Parse framework

Porogram (LOL Statistics App) 2018

- Displays hundreds of searchable player statistics for the game League of Legends
- Generated web and mobile friendly frontend app using ReactJS and Material Design
- Managed backend API calls to Riot Games using NodeJS
- Implemented infinite scrolling to dynamically display previous games
- Communicate with Mongo database and AWS to store user signup and login info

Activities and Clubs

International Collegiate Programming Contest | Regional Qualifier 2018
AT&T Hackathon | Best Entertainment Solution 2018
ND Hackathon | Second Place 2018
Linux Users Group | Member 2016 - 2018
Asian American Association | Member 2016 - 2018