

ANKIT KUMAR

✉ akumar3@wpi.edu

☎ +1 (508) 373-6935



WPI Mailbox #3250
100 Institute Road, Worcester,
MA 01609

🌐 ankitkumarr

Seeking full-time opportunities in
the field of Computer Science.

Skills

LANGUAGES

Java

JavaScript

Python

C

C++

HTML

CSS

Racket

RELATED COURSEWORK

Software Engineering

Webware

Computer Networks

Artificial Intelligence

Data Mining

Algorithms

Systems Programming Concepts

Object-Oriented Design

Machine Oriented and Assembly

Discrete Mathematics

Database Systems

Operating Systems

Cyber Defense Practice

Mobile and Ubiquitous Computing

Leadership Practice

OTHER SKILLS

Git

Node.js

React

Express

Velocity Template Language

Protractor

Jasmine

Vim

Android Development

Jira

Agile Methodologies

Bamboo

Jenkins

Amazon Web Services

Chatbot Development

Education

Worcester Polytechnic Institute (WPI), Worcester MA

BS Computer Science 2018

GPA: 3.87

Dean's list of students

Experience

KAYAK, Cambridge, MA

May 2017 to Aug 2017

Software Development Intern

- Full Stack Developer in the Email team.
- Designed a Mock Email Sender Shell in Java to send mocked price alerts, bookings and cancellation emails using JSON configuration.
- Designed a front-end UI interface for the Shell Sender in React with JSON import and export capabilities.
- The tool cut down massive developer and QA time.
- Created A/B tests for new features.

Kronos Incorporated, Chelmsford, MA

Jan 2017 to May 2017

Software Development Co-op

- Full Stack Developer across multiple projects.
- Created and managed Protractor tests on Jenkins which measured the performance and tested the features of a new timekeeping application.
- Worked on performance improvement of the timekeeping application in all layers (front-end and back-end). The improved performance was measured using the Protractor tests.
- Restructured the core back-end repos to improve the entire engineering team's efficiency. The work included combining several active repositories and making the split vertical.

Kronos Incorporated, Chelmsford, MA

Jun 2016 to Aug 2016

Software Development Intern

- Front-end Developer for the latest timekeeping cloud application for the upcoming release by Kronos.
- Worked in AngularJS and Node.js and fixed several bugs in the timekeeping application.
- Worked on new features like adding comments to time punches
- Designed test suites in Jasmine and Mocha.

Computer Science Department, WPI

Aug 2015 to Present

Senior Assistant (SA)

- Help peers during office hours and grade coursework in various courses- Software Engineering, Algorithms and Object Oriented Concepts.

Projects

HealthMe

A hackathon project (github/ankitkumarr) made in a team of three people. We created a platform with three interfaces - Amazon Alexa Skill, Facebook Messenger Chatbot and a Twilio SMS service to answer health related questions. We won the best use of AWS. I worked on the Alexa skill and the backend parser to scrape health information.

Culshare

A hackathon project (github/ankitkumarr) made in a team of three people. We created an Android app that would serve as a platform for people to share their culture and host people from different cultures. We won the best use of AWS. I worked on the backend API for the platform and introduced a donation feature in the app backed with the Capital One's API.

CrimeAF - Crime After Filter

Developed a website using Node.js with two other teammates. The website (<http://crimeaf.herokuapp.com>) shows a heat map of crimes in the city of Chicago over time. I designed the backend server from scratch.

Kabasuji

Created a graphical puzzle game (github/ankitkumarr) comprised of different levels and game modes in a team of five people. This game was designed in MVC framework and developed in Java using Swing.

Current and Innovative Energy Efficiency Strategies, Moscow, Russia

Completed an energy audit (bit.ly/energyiqp) of the Astrakhan State University in Astrakhan, Russia. We analyzed their current energy systems and offered solutions to improve energy efficiency. I created and analyzed cost-benefit graphs to compare and criticize each proposed solution over their current system.

Activities

Upsilon Pi Epsilon (UPE) · Treasurer

2017 to Present

Upsilon Pi Epsilon (UPE) · Vice President

2016 to 2017

Association for Computing Machinery (ACM) · Vice President

2016 to 2017