

Medhir Bhargava

Seattle, WA
(407) 587-6435
medhirbhargava@gmail.com

medhir.com — github.com/medhir — linkedin.com/in/medhir

Skills

Web Application Development (Javascript/ES6, Node, d3, Vue, Angular, Backbone, TDD Frameworks), C++, Python, Research + Development, Product Management

Projects

CEN3031 Curriculum A guided, unit-testing driven approach to learning web application development

- Independently implemented an interactive curriculum that guides students through the development of a fully featured web application using modern toolsets (Node.js, Express, Angular, and MongoDB)
- Used by UF's online Computer Science degree program, effectively giving 100s of students relevant web development skills each semester

Twitter Data Mining A RESTful API providing a simple way to collect and analyze real-time Twitter data

- Implemented several Node micro-services to mine Tweets based on user-provided keywords
- Built an user interface enabling users to create search queries for tweets using Angular
- Wrote a sentiment analysis engine in Python using NLTK and Flask

Work Experience

Course Developer Educative.io | Bellevue, WA 2017 - Present

- Built a course teaching the fundamentals of web development (HTML, CSS, Javascript) with 47 online-judge exercises and over 150 interactive coding playgrounds
- Currently developing a course on intermediate/advanced front-end web development, including concepts such as ES6, consuming web APIs, "painting" with HTML5 Canvas, and data visualization with d3

Product Lead Nano Collection | Brooklyn, NY / Gainesville, FL 2016 - 2017

- Designed a flexible, textile-based electrochemical sensor to detect glucose from sweat
- Identified materials suppliers and manufacturing partners towards sensor production

Program Management Intern, Identity and Access Management Microsoft | Seattle, WA 2016

- Developed technical specifications and user interface designs for Privileged Identity Management (PIM), a tool providing granular user permission controls on an organization's cloud-based resources
- Collaborated with large enterprise customers, designers, and software engineers to create improvements to the information architecture and user experience within PIM

Teaching Assistant, Introduction to Software Engineering University of Florida | Gainesville, FL 2015

- Drove curriculum changes to better assist students in learning core web development concepts
- Gave lectures on specific topics, led discussion sections, and held office hours for students

Research Assistant UF Biological Engineering Biosensors Lab | Gainesville, FL 2014 - 2015

- Developed a paper-based, disposable biosensing platform optimized for glucose and E.coli detection
- Mentored undergraduate students in the design and execution of electrochemical experiments

Education

Hack Reactor Advanced Software Engineering Immersive | San Francisco, CA 2015

University of Florida Courses in Computer Science and Biological Engineering | Gainesville, FL