Asheq Imran

Software Developer

Contact

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Website
https://asheq.github.io

About

I love writing high-performing software that is both useful and easy to use. I am currently working at General Electric where I build the front end for various edge applications.

Profiles

Github
asheq

Work

GE Power

Aug 2013 — present

https://www.ge.com
Software Developer

General Electric

Highlights

Built front-end for various gas turbine advisory applications, which help power utilities operate gas turbines to maximize profits.
Wrote idiomatic client-side code using promises, the event loop, prototype-based inheritance, REST, and caching. Utilized functional programming concepts like pure functions and pushing DOM mutations to the edge.
Completed the Edison Engineering Development Program (EEDP).

Education

Georgia Institute of Technology
Aug 2012 — Aug 2013

Electrical and Computer Engineering
Master of Science

Courses

ECE 6390 - Satellite Communication and Navigation Systems
ECE 6456 - Solar Cells
ECE 8803 - Dynamic Control of Hybrid Electric Vehicles
ECE 8843 - Autonomous Control of Robotic Systems
ECE 6552 - Nonlinear Systems
ECE 6551 - Digital Control

Georgia Institute of Technology

Aug 2007 — May 2012

Electrical and Computer Engineering
Bachelor of Science

Courses

CS 1371 – Computing for Engineers (MATLAB)

CS 1372 – Program Design for Engineers (C)

ECE 2025 – Introduction to Signal Processing

ECE 2031 – Digital Design Lab (VHDL)

ECE 3070 – Electrical Energy Conversion

ECE 3090 – Software for Engineering Systems (C++)

ECE 3720 – Introduction to Fluid and Thermal Engineering

ECE 4175 – Embedded Microcontroller Design (C)

ECE 4580 – Computer Vision

ECE 4781 – Biomedical Instrumentation

ISYE 3770 – Statistics & Applications

Awards

CST Engineering Award for Outstanding Tech. Achievement.

Awarded 2016
by **General Electric**

GE Digital App-a-thon Winner

Awarded 2016
by **General Electric**

Controls Symposium Predix App Contest Winner

Awarded 2015 and 2016

by **General Electric**

The win in 2015 was awarded for developing a gas turbine "life odometer." The win in 2016 was given for developing a "performance recovery advisor," which recommends the most economical time to perform various gas turbine maintenance actions, such as replacing the inlet filter or performing a water wash.

Skills

Programming Languages

- JavaScript
- HTML
- CSS
- MATLAB

Web Development

- RESTful APIs with OpenAPI
- Angular
- Polymer
- Web Components
- UML Class and Sequence Diagrams
- Chrome Developer Tools
- Internationalization (i18n) and Localization (i10n)
- Basic OO Design Patterns
- Basic Relational Databases
- NPM and Gulp Build Systems
- TDD-Centered Pair Programming
- Agile Methodology

Wireframe Design in Sketch

UX Principles

Applied Math

Differential Equations

Controls Theory

Calculus

Languages

English
Native speaker

Bengali
Intermediate speaker

Interests

User Experience

Vim