

EDUCATION

RENSELAER POLY. INSTITUTE
B.S. IN COMPUTER SCIENCE WITH
COMPUTER SYSTEMS ENGINEERING
Class of 2018

LINKS

Github.com/ **Bad-Science**
Twitter.com/ **ada_does**
AdaDoes.io

COURSEWORK

Distributed Computing Over the Internet
Internetworking of Things
Software Verification
Introduction to Artificial Intelligence
Circuits
Introduction to Electronics
Software Design & Documentation
Programming Languages
Operating Systems
Introduction to Algorithms
Computer Architecture, Networks &
Operating Systems
Embedded Control

CERTIFICATION

CERTIFIED SCRUM MASTER

SKILLS

Object Oriented
Design & Modeling
Embedded
Software & Hardware
Ruby / Rails
C / C++
Javascript
Node.js
PHP
SQL
HTML
Java
Circuits
Project Management
TDD / BDD
Linux
Networking
Docker
DevOps

WORK

DATTO | SOFTWARE ENGINEERING INTERN

Summers 2016 - 2017 | Boston, MA

- Developed firmware and web architecture for cloud managed networking appliance with LTE failover
- Developed firmware for USB LED controller
- Worked on Scrum team as full stack Rails / Angular developer
- Contributed to development of product storefront used by many customers
- Developed APIs to abstract and orchestrate legacy provisioning and third party billing systems
- Constructed large-format RPi driven LED display and developed pygame-based interface for hackathon

RENSELAER CENTER FOR OPEN SOURCE | COORDINATOR

2015 - present | Troy, NY

- Develop open source curriculum, organize ~150 students and 35 projects, design and host workshops, talks and events
- Mentor open source projects; assist students with development, planning, communication and project management
- Teach and encourage sane development, testing and deployment practices
- Act as affiliate representative to the OSI

MOZILLA OPEN SOURCE STUDENT NETWORK

2017 - present

- Work with open source enthusiasts and students to develop content and create a network of open source campus clubs

CONVEYIQ | JUNIOR SOFTWARE ENGINEER

Summers 2012 - 2014 | New York, NY

- Worked on core team as full stack developer Rails developer. Contributed to SQL database design and implementation, frontend web interfaces.
- Designed and implemented secure RESTful APIs in Ruby
- Created and updated RSpec and Cucumber test suites for Test Driven apps
- Built native application for Google Glass

PROJECTS

YACS | PROJECT LEAD & MAINTAINER

- Course scheduler & browser used by thousands of RPI students
- Created configurable, modular streaming data pipeline to aggregate data from many sources into an eventually consistent datastore
- Built schedule generator, frontend framework
- Hired, trained and managed several teams of student developers
- Responsible for deployment processes and maintenance
- Generalized and decoupled from RPI systems; currently onboarding other universities and external student contributors

BELLS & WHISTLES - IED | ELECTRICAL ENGINEER

- Bicycle safety suite consisting of turbulence, vehicle, and obstruction detection and automatic signalling systems
- Implemented power electronics, embedded control systems, basic analog and digital circuits

ES.MOVE

- Framework for easily creating distributed web services in ES6
- Uses mobile agents to provide semantics for autonomous mobility