

# David Udelson

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## EDUCATION

**CORNELL UNIVERSITY**  
**BS IN COMPUTER SCIENCE**  
Grad. May 2018 | Ithaca, NY

## LINKS

Website:// [www.davidudelson.com](http://www.davidudelson.com)  
Github:// [dudelson](https://github.com/dudelson)  
LinkedIn:// [David Udelson](https://www.linkedin.com/in/DavidUdelson)

## COURSEWORK

### UNDERGRADUATE

Operating Systems + Practicum  
Distributed Computing Principles  
Functional Programming  
Systems Programming  
Analysis of Algorithms  
OOP and Data Structures  
Discrete Structures  
Natural Language Processing  
Intro to Compilers  
Intro to Machine Learning

## SKILLS

### PROGRAMMING

OCaml • Python • JavaScript •  
C • Java • Lua •  $\text{\LaTeX}$  • Shell

### DEVOPS AND DEV TOOLS

Git • Scrum • RHEL and Fedora Linux  
Administration

### LANGUAGE

Acquired conversational spoken and  
written proficiency in Japanese

## PRIMARY EXPERIENCE

### RED HAT | RELEASE ENGINEER

Oct 2018 to Present | Westford, MA

- Manage release pipeline for Red Hat Certificate System
- Represent release engineering at cross-disciplinary meetings
- Aid in efforts to improve internal release processes

### GOOGLE SUMMER OF CODE | STUDENT PARTICIPANT

May 2017 to Aug 2017 | Remote

- Attempted to make a largely self-paced and self-directed open-source contribution under the guidance of a mentor as a student participant in Google's Summer of Code.
- Designed and implemented portions of a RESTful API for Irmin, the database component of the Mirage OS unikernel project.

### DATTO | QUALITY ASSURANCE INTERN

May 2016 to Aug 2016 | Norwalk, CT

- Performed manual testing of Datto's cloud storage backup solutions.
- Automated portions of repetitive manual testing using the OpenQA testing framework.
- Collaborated with a testing team spread over multiple locations and articulated testing progress and objectives during weekly video conferences.

### NORTHEAST DELTA DENTAL | DEVELOPER INTERN

Jun 2014 to Aug 2014, Jun 2015 to Aug 2015 | Concord, NH

- Developed a script which sanitized sql files before commit to database using information retrieved via SOAP and was uniformly adopted by development team.
- Assisted development team in porting their codebase from svn to git using knowledge of git version control system.
- Refactored existing Python and Java codebases to improve style, readability, and test coverage.

## SECONDARY EXPERIENCE

### CORNELL AIKIDO CLUB | VICE PRESIDENT

Aug 2016 to May 2018 | Ithaca, NY

- Collaborated with other club leadership to recruit new members by distributing fliers and planning and running demonstrations.
- Managed club registration and mediated communication between club and university bodies.

## PROJECTS

### OPERATING SYSTEM

CS 4411 Practicum in Operating Systems

- Implemented a toy operating system with rudimentary filesystem, networking stack, and pre-emptive threading.
- Wrote and debugged seven thousand lines of C code.