

# JOHN PATRICK GUSTAVE SLOAN

software engineer and musician

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## WORK EXPERIENCE

### Code Reviewer

Udacity | June 2015 - Current

- Review code in Swift, HTML, CSS, and Python
- Provide actionable and helpful feedback for hundreds of student submissions
- Completed [BiOS Nanodegree](#)

### Software Engineering Intern

Kinoma, Marvell Semiconductor | June 2014 - December 2014

- Wrote sample code and documentation for first-time users
- Engineered test-suite for Kinoma Create hardware
- Shaped content of [Getting Started with Hardware](#) web pages
- Developed sensor-based music projects for the Create using PureData

### Manager

SUPERB Concerts, UC Berkeley | June 2011 - May 2014

- Coordination of on-campus concerts
- Hiring and supervision of 20 interns
- Day-of-show task delegation and big-picture orchestration
- Sound engineering at numerous shows
- Set up of large sound systems, band equipment, and stages

**Intern** | January 2011 - June 2011

## EDUCATION

**New York University** | September 2016

Music Technology | Masters

**University of California, Berkeley** | August 2010 - May 2014

Computer Science | B.A.

Music | Minor

## RECENT PROJECTS

- Tracks**      [iOS audio recording app](#) for quickly creating song demos.
- Pins Test**      Validation test-suite for Kinoma Create used in factory to check for hardware defects.
- Lights On**      [Hardware Sample](#) implementing communication between Kinoma Create and iOS app via websockets.
- SketchBoard**      [Sensor-augmented longboard](#) that creates visual art based on its trajectories. *Featured in Maker Faire 2014 Critical Making showcase. Winner, Best In Class.*

## LANGUAGES

Java, C, Python  
Swift, Objective C  
JavaScript, HTML, CSS  
Arduino, SQL

## OTHER SKILLS

Git, Vim, Command Line  
Max MSP  
PureData

## AWARDS

### First Place

“Built Environment” category  
[Internet of Things World Hackathon](#) | 2014

Interfaced with hardware sensors to make example projects

**Assistant Manager** | June 2011 - August 2013