

# LUCAS JENKINS

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## WORK EXPERIENCE

### DraftKings

June - September 2018

#### Software Engineering Intern

Boston, MA

- Created an internal tool from start to finish which controls important sports data, saving the dev team dozens of hours each year on manual updates. Used MySQL database, C# backend/API dev and Angular for frontend.
- Full participant in Agile engineering team - Standups, Code Reviews, Functional/Integration Testing, Retros.
- Worked alongside full time engineers on a backend-heavy project - we parsed statistics feeds, input data into the MySQL databases, and created endpoints/bus messages for NFL FlashDraft, a new DK product. The product requires frequent updates and real-time data, as new games are available every NFL quarter.

### Silicon Labs

June - September 2017

#### Applications Engineering Intern

Boston, MA

- Engineered a modular, object-oriented system in Python to control automated hardware tests / instrument drivers for wireless 802.15.4-compliant radio boards developed by the company.
- Created a user-friendly GUI using TkInter to allow use of the hardware test harness by non-developers.
- Researched and developed instrument drivers for test instruments including spectrum analyzers, signal generators, multimeters, and motors.
- Developed a Python CLI program to investigate errors in company radio boards. Used Python data processing with Excel to analyze/summarize test data for presentation to senior members of the company

### MGH/Harvard A. A. Martinos Center

Summer 2013 - 2016

#### MRI Engineering Research Intern

Charlestown, MA

- 3-D modeling/printing and radio circuit population of multichannel MRI arrays
  - Modeled circuits using EAGLE software and fabricated them using a circuit board router
  - Software: Used COMSOL Multiphysics Software for simulations; wrote basic MATLAB scripts for data visualization
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## SKILLS

### Languages

- **Python** (Summer Internship + Coursework)
- **C#** (Summer Internship)
- **C** (Many Courses, some C++ as well)
- **JavaScript** (Worked with React and AngularJS)
- **LISP** (2 courses)
- **Spanish** (Conversational, 6 years of coursework)

### Other technical skills

- git-based workflow (local and collaborative)
  - Pandas and scikit-learn for ML
  - Scripting in both bash and CMD.exe for windows
  - .NET framework and Visual Studio
  - Web development in HTML/CSS
  - Google Sketchup and Autodesk Inventor
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## EDUCATION

### University of California Los Angeles

June 2019

#### B.S. Computer Science

Los Angeles, CA

- Focus in upper division mathematics (courses in Linear Algebra, Probability Theory, Real Analysis, Optimization)
  - UCLA Achievement Scholar
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## ACTIVITIES

### UCLA Campus Events Commission

May 2015 - June 2019

#### Director of Web Development (2018-2019)

- Led a team of 8 other developers and designers in creating web/mobile tech to market the Commission's events, gaining significant tech leadership and delegation experience
- Took a PM role in creation of new website for the Commission ([uclacec.com](http://uclacec.com)) using MongoDB + ReactJS
- Developed websites for annual and one-time events using mainly static HTML/CSS, such as [bruinbash.ucla.edu](http://bruinbash.ucla.edu)