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Sidney Oderberg

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Education

University of Illinois, Urbana-Champaign   **August 2017 – Dec 2018**

- Professional Master's in Computer Science, Expected December 2018
- Courses: Machine Learning in Signal Processing; Computer Graphics; Wireless Networks; Bioinformatics; Robotics; Computer Vision; Natural Language Processing (currently enrolled); Models of Cognitive Processes (currently enrolled)

University of California, Berkeley   **August 2013 – May 2017**

- Bachelor of Arts, Computer Science
- GPA: 3.8; Honors: Dean's List, UPE (computer science honor's society)
- Notable Courses: Efficient Algorithms and Intractable Problems; Artificial Intelligence; Databases; Machine Learning; Web Design; Operating Systems; Internet Architecture; Computer Security

Experience

Cruise Automation   **San Francisco, CA**
Software Engineering Intern   *May 2018—August 2018*

- As a member of the Simulation team, I enhanced the capabilities of a simulator tool used internally to test the autonomous car's code
- Contributed to a project that turns a single simulation into thousands of variations; I added more features to this new simulation mode and integrated it into a cloud-based job runner for ease of use by QA and software engineers
- Added new components to a React-based app used by several teams to create simulations
- Presented my work at an inter-team meeting with the goal of promoting the new simulation mode and explaining its potential and how to use it

CS 418: Interactive Computer Graphics   **Urbana, IL**
Teaching Assistant   *Jan 2018—Present*

- Taught two one-hour lab sections each week that involved presenting course material in discussion format and helping students with graphics programming exercises
- Held one office hour per week; at these I would answer students' questions about course concepts, in-class worksheets, practice exams, and help debug code
- Graded one-third of all submitted projects, with a total of eight projects throughout the semester
- Answered student questions on Piazza, an online class forum, and helped keep the average response time at forty minutes

TechEmpower   **El Segundo, CA**
Web Development Intern   *May 2016 – August 2016*

- Developed a React front-end for a community-based movie reviewing web-app
- This involved handling user registration/logging in, forms/buttons for interactivity, pages with nested reviews and comments, and utilizing multiple APIs for hitting the back-end and other online sources
- Followed the Single Page Application paradigm and loosely based my architecture on the Flux design

Technical Skills

- **Programming Languages:** Python, Javascript, React, Java, C, C#, SQL, HTML, CSS, JQuery, WebGL
- **Software:** Git, Jira, Microsoft Word/Excel/PowerPoint/Visual Studio
- **OS:** Most experienced with Windows, some familiarity with Linux/Ubuntu/Unix/Mac