

Daniel Covelli

Looking for Full-Time Software Development Opportunities Starting January 2021

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Education University of California, Berkeley

Interdisciplinary Studies (CS and Political Economy focus)
Graduating Fall 2020

Relevant Coursework

CS 88 | Computational Structures * CS 100 | Principles and Techniques of Data Science
Data 8x | Foundations of Data Science * STAT 89A | Linear Algebra for Data Science * IAS 118 | Applied Econometrics
CS 61B | Data Structures (current) * CS 169 | Software Engineering (current) * CS 198 | Cubstart: Intro to iOS (current)

Projects

Dev Connector - Social Network for Developers (Deployed)¹ | MongoDB, Express, React-Redux, Node.js
Shopping List App (Deployed)² | MongoDB, Express, React-Redux, Node.js * **Salary Tracking App (Deployed)**³ | MongoDB, Express, React-Redux, Node.js * **Local Library - Digital Archive for Librarians (Deployed)**⁴ | MongoDB, Express, Pug, Node.js
New York Times API⁵ | JavaScript, HTML, Fetch * **Mapquest API**⁶ | JavaScript, HTML, Fetch API * **Start-Up Landing Page (Deployed)**⁷ | HTML, CSS, Javascript * **COVID-19 Mortality Research Paper**⁸ | Python, Pandas, Seaborn * **Ham-Spam Email Filter**⁹ | Python, Pandas * **LinkedIn Web Scraper**¹⁰ | Python, Xpath, Selenium

Online Coursework

Mozilla Developer Network (MDN) Learn Web Development¹¹ * MERN Stack Front To Back: Full Stack React, Redux & Node.js¹²
The Web Developer Bootcamp * MERN Stack - The Complete Guide * Build Responsive real World Websites with HTML and CSS * HTML and CSS complete course

Articles

How to Conduct Effective Market Research¹³ * Use Selenium & Python to Find Investors on Crunchbase¹⁴ * Simulation 101: How the AV industry is scaling testing and validation¹⁵ * The Camera-Lidar Debate¹⁶

Experience

Web Development Intern | Brand Socialite (UCLA Anderson Venture Accelerator Cohort Team) | March 2020 - August 2020

- Led full-stack (MERN) development at staffing marketplace start-up
- Designed reference-based MongoDB models and set up RESTful API using Next.js, Axios, and Express
- Outsourced image storage to Cloudinary API; used bcrypt to hash passwords and JWT to generate login tokens for users
- Built responsive front-end components using React/Semantic UI with hooks state management and conditional rendering
- Linked React components made by second developer to back-end API endpoints
- Collaborated with TPM and PM to design database architecture, plan development strategy, and advise founders
- Designed and user tested 100+ page desktop UI/UX and worked with founders to ideate through product features

Academic Intern | Berkeley EECS Department (CS88) | January 2020 - March 2020

- Helped freshman Data Science students learn Python fundamentals including functions, for/while loops, data structures, recursion, and object oriented programming; other topics included primitive SQL queries, object inheritance project, and machine learning visualization project

Web Automation Intern | Ottometric (Berkeley Skydeck Funded) | January 2019 - August 2019

- Automated browser functionality using Python to screen 2,000+ clients, investors, and engineers for business development efforts; used Selenium and DOM competency to identify keywords on subject LinkedIn and Crunchbase profile pages
- Initiated conversations with industry leading firms and prospective autonomous vehicle PhD's

UI/UX Design Consultant | Blockchain at Berkeley | August 2018 - May 2019

- Engaged with club members to design several 50+ page UI/UX projects for consulting department
- Worked closely with blockchain developers, tenured professors, and decentralized-finance experts to develop and present a proof-of-concept blockchain insurance product for MBA pitch competition
- Helped lead design overhaul for clubs website and volunteered to interview candidates for Spring 2019 recruitment

Front End Developer | Alchanti Campbell and Associates (Student Organization) | August 2017 - May 2018

- Helped redesign and rebuild company landing page using HTML, CSS, and Semantic UI

Extracurricular

Cal Hacks * Transfer Student Mentor * Intramural Soccer * Berkeley Division of Data Science

Fluent

Python, JavaScript, React, Node.js, HTML, CSS, SQL, Semantic UI, Pandas, R

Proficient

Java, Express.js, MongoDB, Next.js, Bootstrap, RegEx, Matplotlib, SciPy, Tableau

Intermediate

iOS, Ruby on Rails, Redux, PyTorch, pathlib, d3, SKLearn, Selenium

¹ <https://dev-cnct.herokuapp.com/> | ² <https://glacial-brushlands-17423.herokuapp.com/> | ³ <https://salary-app-mern.herokuapp.com/> | ⁴ <https://local-library-mozilla.herokuapp.com/catalog>

⁵ <https://github.com/daniel-covelli/MDN-learn-web-dev/tree/master/APIs/third-party-APIs> | ⁶ <https://github.com/daniel-covelli/MDN-learn-web-dev/tree/master/APIs/third-party-APIs>

⁷ <https://daniel-covelli.github.io/ACAhompage/> | ⁸ <https://gist.github.com/daniel-covelli/0ca59c2c499ecbcb8cf37f57295286c8> | ⁹ <https://gist.github.com/daniel-covelli/055306a9d551e97cd7cfc5cd27e735e7>

¹⁰ <https://github.com/daniel-covelli/optimized-linkedin-scraper> | ¹¹ <https://github.com/daniel-covelli/MDN-learn-web-dev> | ¹² <https://www.udemy.com/certificate/UC-342487e6-69b3-4919-aa12-42c30c96a38a/>

¹³ <https://www.linkedin.com/pulse/how-conduct-effective-market-research-daniel-covelli/> | ¹⁴ <https://www.linkedin.com/pulse/use-selenium-python-find-investors-crunchbase-daniel-covelli/>

¹⁵ <https://www.linkedin.com/pulse/simulation-101-how-drive-millions-autonomous-miles-without-covelli/> | ¹⁶ <https://www.linkedin.com/pulse/camera-lidar-debate-daniel-covelli/>