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Evan Sandhoefner

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| WORK Experience |  | software projects November 2014 - Present  Please visit [http://sandhoefner.github.io](http://sandhoefner.github.io/) for a portfolio of individual & team projects, including:   * CustomCatan - a web-based board layout optimizer for *The Settlers of Catan* * AgroMod - a Chrome extension to enhance the functionality & user experience of the massively multiplayer online game Agar.io   + Over 7,000 users in the Chrome web store * Gravity Trainer - a training, reference, & record-keeping Android app for rock climbers * A Connect Four game, with artificial intelligence implemented using a minimax algorithm & alpha-beta pruning * Interactive data visualizations exploring topics such as American electoral politics, characteristics of elite rock climbers, & the economics of global climate change  Author, “Shock Waves: Managing the Impacts of Climate Change on Poverty” January 2015 – November 2015  Co-authored a World Bank-commissioned economic paper examining the distributional impacts of climate change in developing countries. Received a grant from the Harvard University Center for the Environment; analyzed a large dataset using Stata & Python; produced interactive visualizations using JavaScript with D3. Tutor, admissions hero July 2014 – January 2015  Assisted clients with college preparation, providing application essay revision, SAT tutoring, & general academic & extracurricular advising. REtail clerk, knott’s berry farm June 2013 – August 2013 Research intern, university of southern california June 2012 – August 2012  Worked on the California Young Adult Study, which explores the determinants of educational attainment, civic engagement, & employment among California’s youth. Transcribed & coded interviews; wrote topical briefs for the head professor based on qualitative data. |
| Education |  | Harvard college – cambridge, maComputer science & economics August 2013 – May 2017   * Researcher & writer for the National Security Policy Group at the Harvard Institute of Politics * Recruitment chair & freshman representative for HCC, a competitive rock climbing team * Violinist in the Bach Society Orchestra * Credential of Readiness in business fundamentals from Harvard Business Extension School  oxford academy – cypress, cahigh school diploma September 2008 – June 2013  Academic Decathlon founder & president, parliamentary debate captain, American Legion Boys State delegate, varsity track & field athlete, symphony orchestra violinist |
| SKILLS & interests |  | **Programming:** Python, Java, Android, JavaScript (with D3 & jQuery), C, PHP, SQL, OCaml, HTML, XML, CSS, Markdown, LaTeX, version control (Git & GitHub), Linux, Windows  **Design:** needfinding, prototyping (paper & Balsamiq), testing & rapid evaluation, etc.  **Data Science:** Stata, R, Excel with Solver, web scraping (Python & Beautiful Soup)  **Languages:** English, Spanish  **Music:** guitar, violin, mandolin, ukulele  **Athletics:** rock climbing, track & field, basketball  **Other:** backpacking, Rubik’s Cube |
| References |  | Available upon request. |