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Evan Sandhoefner

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| WORK Experience |  | software projects November 2014 - Present  Please visit <http://sandhoefner.github.io> for a portfolio of individual and team projects, including:   * CustomCatan, a board layout optimizer for the popular game *The Settlers of Catan* * A Connect Four AI game, implemented using a minimax algorithm with alpha-beta pruning * Interactive data visualizations exploring topics such as American electoral politics, characteristics of elite rock climbers, and the economics of global climate change * AgroMod, a Chrome extension to enhance the functionality and UX of the MMO game Agar.io  researcher, world bank and harvard university January 2015 – Present  Co-authored a World Bank-commissioned economic paper examining the distributional impacts of climate change in developing countries, with a focus on extreme poverty. Received a grant from the Harvard University Center for the Environment; analyzed a large dataset using Stata and 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, and general academic and 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, and employment among California’s youth. Transcribed and coded interviews; wrote topical briefs for the head professor based on qualitative data. |
| Education |  | Harvard college – cambridge, maa.b., computer science; Secondary field, economics August 2013 – May 2017   * Researcher and writer for the National Security Policy Group at the Harvard Institute of Politics * Recruitment chair and 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 and president, parliamentary debate captain, American Legion Boys State delegate, varsity track and field athlete, symphony orchestra violinist |
| SKILLS and interests |  | **Development:** Python, JavaScript (with D3 and jQuery), C, PHP, SQL, OCaml, HTML, CSS, Markdown, LaTeX, version control (Git and GitHub), Linux (Ubuntu), Windows  **Statistics:** Stata, R, Excel with Solver  **Languages:** English, Spanish  **Music:** guitar, violin, mandolin, ukulele  **Athletics:** rock climbing, track and field, basketball  **Other:** backpacking, Rubik’s Cube |
| References |  | Available upon request. |