

William Roy Hubenschmidt, Software Engineer || Audio Engineer

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Multi-disciplined technology and creative professional. Knowledge of programming, systems and information technology includes full-stack software engineering, application development, server-side programming, Linux, RESTful APIs, Node.js, React.js, git, CRM, PostgreSQL, SQL, NoSQL, agile product development, databases, and audio engineering.

Programming in **Java, C++, JavaScript, TypeScript, assembly language, and PHP.**

Software Engineer, Freelance, Ann Arbor, MI and New York, NY, Jan 2019—present

- Application development at Tame Your Wallet (Ann Arbor, MI).
 - Agile software development using React.js MVC framework to create Single Page Application (SPA).
 - Developed back end service using Node.js and ExpressJS to exchange JSON data with PostgreSQL database.
- Application development at Adorama, Inc (New York, NY).
 - Developed searchable product database, web scraper, and CRM interface using ReactJ progressive web app.
 - Created full stack application to consume JSON data from REST APIs of competitor product applications.
 - Created custom React.js components for data manipulations and to display data in searchable format.
- Built Java, C++, and PHP projects while maintaining academic 4.0 GPA in full-time Computer Science coursework.

Audio Engineer, 99¢ Dreams Records, Ann Arbor, MI and New York, NY, Jul 2010—present

- Built and maintained professional studio for all aspects of sound recording, mixing, and advanced production techniques.
- Featured original music on Seth Troxler's BBC Radio 1 Essential Mix, at Output Club, NYC in 2016.
- Gained following among international music buyers through marketing and distribution of vinyl and cassette releases.
- Produced house music events and live performances featuring local talent.
- Created JavaScript/HTML5/CSS web application to showcase live streams; designed all digital, and graphic assets.

Development Officer, Correctional Association of New York, New York, NY, Aug 2015—Apr 2016

- Guided major gift fundraising during a period of leadership transition at one of America's oldest prison reform organizations.
- Wrote advocacy newsletters in support of criminal justice reform to dismantle the prison industrial complex.

Development Associate, Hetrick-Martin Institute, New York, NY, Jul 2014—May 2015

- Managed MS SQL server database and developed data collection and reporting workflows.
- Trained users, recruited Director of Information Technology to develop and guide the LGBTQ nonprofit organization's IT plan.

CRM Developer, Consultant, New York, NY, Jan 2013—Jul 2014

- CRM solutions to improve sales analytics, business intelligence, customer retention, and lead generation.
- Consulted to clients including Japan Society, James & Company, Color + Information, and Creative Connections NYC.
- Coauthored Why Every Nonprofit Needs CRM and How To Get It Right, a guide for nonprofits to better understand CRM.

Development Associate to Executive Office, Amnesty International USA, New York, NY, Jun 2012—Jan 2013

- Executive aide to Amnesty International USA Executive Director and former U.S. Deputy Secretary of State Suzanne Nossel.
- Designed, tested, and implemented MySQL database for major donors; solicited six-figure donations in support of international human rights.

Database Administrator, Robert F. Kennedy Human Rights, New York, NY, May 2011—Jun 2012

- Implemented and customized Salesforce database for team offices in New York, Washington, D.C. and Florence, It.
- Developed business intelligence systems in support of fundraising efforts.
- Cofounded [RFK Young Leaders](#), a young professionals' network to empower human rights activists and defenders.

EDUCATION

Eastern Michigan University, Ypsilanti, MI, September 2020—Dec 2022, Bachelor of Science, Computer Science

Columbia University, Fu Foundation School of Engineering and Applied Science, New York, NY, Jan 2019—Jun 2019, Columbia Engineering Executive Education Certificate, Computer Software Engineering

University of Michigan, Ann Arbor, MI, Aug 2004—Apr 2008, Bachelor of Arts, American Culture, Music Minor