

Professional Summary:

Entrepreneur / innovator, full stack engineer with 6+ years of web development experience and 3 years of hardware prototyping / fabrication experience. Open source contributor.

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- SKILLS:**
- Motivated, entrepreneurial-minded and focused on user experience
 - Excellent leadership and communication skills
 - Ability to build, foster and manage relationships within multidisciplinary teams
 - Well-versed in creative process, generating design concepts, prototyping and evaluating designs
 - Deep knowledge of hardware prototyping platforms, tools and development processes
 - Significant experience with laser cutting, 3D printing, PCB design and soldering
 - Significant expertise in Web Technologies: responsive design, backend and frontend, web performance and scaling, real-time communications
 - Comfortable with a variety of programming languages: Javascript, Python, PHP, C

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- EXPERIENCE:**
- Google Summer of Code 2018 participant with Processing Foundation** *Summer 2018*
- Performed extensive user research, quantitative and qualitative analysis of results
 - Designed and developed a responsive website and content management system
 - Created content for detailed tutorials on topics of using Raspberry Pi and Processing
- MaksMakes** / Product designer, manager and developer *2014 - present*
- Produced dozens of innovative prototypes for IoT devices by using CAD modeling, 3D printing, PCB prototyping/soldering and programming
 - Developed custom CNC machines and developed software to operate them
 - Launched a crowdfunding campaign for an innovative LED display, managed hardware and software development and successfully shipped over 500 orders on time
- NBC News** / Software Engineer *2014 – 2017*
- Developed performant front end software driving all video experiences for the NBC News shows like Dateline, Nightly News and Meet the Press for a variety of form factors
 - Produced code that substantially increased video experience engagement on the site
 - Created a unified codebase for video experiences across the site that reduced maintenance
 - Led backend and frontend development for live blogging features that boosted engagement
 - Handled communication across multiple teams and departments within the company
 - Performed in company hackathons
- Bootsnipp.com** / Designer, Developer, Manager, Founder *2012 – 2015*
- Solely designed, developed and promoted a website for sharing HTML snippets for Bootstrap
 - Used a variety of modern MVC frameworks to develop back end and front end of the site
 - Grew the site to a over 250,000 monthly visitors and 50,000+ registered users
 - The site was shortlisted as Net Awards nominee in category "Best Side Project" in 2014

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- EDUCATION:**
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| <i>2018</i> | MS in Technology Innovation
University of Washington
GPA 3.96 | <i>2011</i> | BS in Computer Science
Cal State University, Fullerton
Dean's list award |
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- LANGUAGES:** English
Russian
Ukrainian
- VOLUNTEERING:** Web Developer at Fountain of Hope Life Centre
Mentor for FIRST Robotics, 2014-2015