Alexander Dobrota

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BesWick (Github)

EDUCATION

Bachelor of Arts, Network and Digital Technology
Minor in Computer Science   *Expected June 2019*
University of California, Santa Cruz

EXPERIENCE

Gesher Labs   *April 2017- Present*
University of California, Santa Cruz
- Actively participate as a founding member of Gesher Labs, a computer science department of a pro-bono, student run business consulting group, Gesher Group who works with clients such as Disney and GoPro, at UCSC.
- Collaborate to implement and provide infrastructure and technical solutions for Gesher Group members recruitment and communication.

Hack UCSC   *January 2017*
University of California, Santa Cruz
- Ideated and headed the design process for Alla Moda, a customizable digital closet app in Android Studio.
- Spearheaded the backend process, specifically in tying the camera functionality of the phone into app.

RELEVANT SKILLS

Languages: Javascript, Java, HTML, C, CSS, Verilog
Related Technologies: Node.js, MongoDB, Angular, ExpressJs, Heroku, Firebase, Slack, Mininet, Google Script, Git, UNIX, Wireshark, TDP/IP, AWS, Cloud Computing
Coursework: Computer Systems and Assembly Language, Computer Systems and C Programming, Introduction to Computer Networks, Algorithms and Abstract Data Types, Logic Design, Introduction to Data Structures, Computer Architecture, Advanced Computer Networks, Introduction to Operating Systems

PROJECTS

Gesher Website *https://github.com/gesher-group/gesher-website*   *Oct 2017 - Present*
- Collaborated on the design and execution of website HTML content.
- Integrated Google API's to ensure transfer of applicants' data into a private google account.
- Added email functionality with customized response upon membership application submission.

Social Web App *http://socialappdemo.s3-website.us-east-2.amazonaws.com*   *December 2017 - Present*
- Built a compact social web application with Node.js and JWT token authentication.
- Designed frontend with Angular v.4+ and backend with Node.js, MongoDB and ExpressJs.
- Hosted website on Amazon Cloud, on the AWS S3 service and deployed backend Node.js app on Heroku.

Slack Bot *https://github.com/gesher-group/gesher-bot*   *June 2017 - September 2017*
- Implemented in JavaScript and node.js, this bot promotes the fostering of a community for members of Gesher to share ideas and thoughts through Slack.
- Built an interactive list using Firebase database to guide members to further refine their online profile and introduced the matching algorithm.