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, Network Programming, Comparative Programming Language

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.