

Bernard Marger

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EDUCATION

University of Florida

Bachelor of Science in Computer Software Engineering

05/2016

TECHNICAL EXPERTISE

Competent in: **Golang, Java, C++, Javascript**

Familiar with: **Google Cloud, Amazon Web Services, Android Java, Python, ReactJS, Hack (PHP Dialect)**

EXPERIENCE

Yik Yak

Platform Software Engineer

06/2016 – 12/2016

- Co-built the microservice to handle and direct all incoming write traffic from clients
Technologies used: Golang, GRPC, Protocol Buffers, Kubernetes, Google BigTable
 - Modeled available endpoints after a previous version of Yik Yak's API
 - Received HTTP requests and converted them into protobuf structs
 - Rerouted requests through layers of abstraction and wrote entries to BigTable

Facebook

Application Engineer Intern

05/2015 – 08/2015

- Built a permissions manager and reporting utility for a quota planning application in Facebook CRM
Technologies used: Hack, ReactJS, GraphQL, Relay
 - Interfaced with Facebook's datastore using User Permission definitions written in Hack
 - Built a responsive UI in React that performed queries and mutations on those objects via Relay

Sandia National Laboratories

Analysis Systems and Applications Intern

05/2014 – 08/2014

- Co-built a scenario visualization web app that simulates satellite orbits around the Earth
Technologies used: HTML, CSS, Javascript, WebGL, three.js
 - Developed the front-end of the application and designed the core visualization
 - Crafted features such as orbit highlighting and line-of-sight visualizations
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PROJECTS

CalHacks Hack: [Kanashi](#)

11/2016

Technologies used: Golang, Android Java, Twilio API

- Implemented server-side logic to dissect intercepted packets and determine if they were malicious, wrote an Android app to drive "malicious traffic" within our network, hooked in the Twilio API for text alerts on detection

Code for Good Hack: [culturED](#)

11/2016

Technologies used: AngularJS, A-Frame, WebVR, three.js

- Wrote the VR-enabled web application, built custom environmental assets for playing sounds on interaction

Microsoft Imagine Cup, US Finals: [Gun Loc](#)

03/2016

- Conducted user and market research, spec'd out tasks for developers, built slide decks and crafted the pitch
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PASSIONS

Tech. Education and Literacy in Schools (TEALS)

AP Computer Science Principles Teaching Assistant

SwampHacks: UF's Major League Hackathon

Co-Founder and Director

UF Association for Computing Machinery (ACM)

Chapter President

AWARDS

CalHacks 2016 Grand Prize, Best Security Hack

Sudo HackStetson 2016 Organizer's Choice

MSFT Imagine Cup 2016 US Finalist, People's Choice

HackIllinois 2016 3rd Place Overall, Best MSFT Hack

Bloomberg CodeCon S15 4th Place / 162 participants

UHack 2015 Honorable Mention

Bloomberg CodeCon F14 2nd Place / 85 participants

Ultimate Software UltiCoder F14 4th Place / 75 participants