

# Bernard Marger

727-422-4360 | [bern422@gmail](mailto:bern422@gmail.com) | [github@bern422](https://github.com/bern422) | [linkedin@bernardmarger](https://www.linkedin.com/in/bernardmarger)

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## EDUCATION

University of Florida

Bachelor of Science in Computer Software Engineering

August 2012 - May 2016

## TECHNICAL SKILLS

Proficient in: **Java**

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

Applied interests: **Backend Engineering, User Experience Design**

## EXPERIENCE

**Yik Yak**

Software Engineer, Platform

June 2016 - Present

- Co-building a microservice to handle and direct all incoming write traffic from clients  
*Technologies used: Golang, GRPC, Protocol Buffers, Kubernetes (Deployment), Google BigTable*
  - Modeling available endpoints after a previous version of Yik Yak's API, receiving HTTP requests and converting them into protobuf structs, routing requests through our system and writing to BigTable

**Facebook**

Application Engineer Intern

May 2015 – August 2015

- Built a permissions manager and reporting utility for a quota planning application in Facebook CRM  
*Technologies used: Hack (PHP dialect), ReactJS (Frontend web framework), GraphQL, Relay*
  - Developed on all parts of Facebook's web stack, from creating database objects to hold permissions information to building a responsive UI in React that queries and mutated those objects using Relay

**Sandia National Laboratories**

Analysis Systems and Applications Intern

May 2014 – August 2014

- Built a scenario visualization web app that simulates satellite orbits around the Earth  
*Technologies used: HTML, CSS, Javascript, WebGL, three.js (library for WebGL), Git*
  - Developed the front-end of the application - first designing the core visualization itself and then spending the summer adding features such as orbit highlighting, and line-of-sight visualizations
- Researched and prototyped ways for users to interface with a Java ORM using a scripting language

## PROJECTS AND PASSIONS

**Sudo HackStetson 2016 Hack:** [Professionalize](#)

April 2016

- Recognition: Organizer's Choice Award

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

March 2016

- Recognition: People's Choice Award

**UHack 2015 Hack:** [Swolefie](#)

February 2015

- Recognition: Honorable Mention

**Technology Education and Literacy in Schools (TEALS)**

AP Computer Science Principles Teaching Assistant

August 2016 - Present

**UF Association for Computing Machinery (UF ACM)**

President

March 2015 – April 2016

**SwampHacks: UF's Major League Hackathon**

Co-Founder and Director

January 2015 - February 2016

**UF Programming Team**

Bloomberg CodeCon Competitor

- 4th Place / 162 participants
- 2nd Place / 85 participants

January 2015

November 2014

Ultimate Software UtiCoder Competitor

- 4th Place / 70 participants

November 2014