Gautham Sajith

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EDUCATION

University of Michigan, CSE, December 2014   Ann Arbor, MI 48109
Graduated Magna Cum Laude   September 2011 – December 2014

- Dean's Honor List: Fall 2011, Winter/Fall 2012, Winter/Fall 2013, Winter 2014, Fall 2014
- Rogel Award of Excellence: 2011, 2012, 2013, 2014
- Coursework: Data Structures & Algorithms, Logic Design, Computer Organization, Artificial Intelligence, Web Databases & Information Systems, Game Development, Autonomous Robotics, Operating Systems, Security, Mobile Application Development

EXPERIENCE

Homejoy   San Francisco, CA 94104
Software Engineer   February 2014 – Present

- Full-stack web development focusing on admin tools and improving customer retention, using Javascript, Python, PostgreSQL.
- Conducted A/B-tested experiments for changes to improve customer retention, such as emotional appeals during cancellation and pricing modifications.
- Launched internal Yammer clone with photos, likes, comments using ReactJS and Firebase.

Facebook, Inc.   Menlo Park, CA 94025
Software Development Intern   May 2014 – August 2014

- Worked on Android Core Experiences team, handling News Feed and in-app navigation.
- Developed user-facing, high impact features using Java.
- Improved application performance through analysis and optimization.

Qualcomm, Inc.   Boulder, CO 80301
Software Development Intern, 40 hours /week   May 2013 – August 2013

- Worked to enable data connectivity on Android devices.
- Developed extensible framework for handling commands between Java and native/C++ space.
- Implemented inter-process communication protocols to send and receive parceled data.

Indeed.com   Austin, TX 78705
Software Development Intern, 45 hours /week   May 2012 – August 2012

- Maintained search quality of job searches using Java, MySQL, and Linux.
- Created front end of internal web applications using Javascript.
- Improved existing processes using machine learning and natural language processing concepts.
- Consumed and processed large amounts of job data using Pig and Hadoop.

Undergraduate Research Opportunity Program   Ann Arbor, MI 48109
Research Assistant, 10 hours /week   September 2011 – April 2012

- Worked on an autonomous aerial vehicle at the APRIL Robotics Laboratory, using Java and Linux.
- Sought to determine what characteristics of an interface make it an effective tool for the use

ACTIVITIES & PROJECTS

Gather – Facebook Camp Hackathona 43 (3-day Hackathon)
Android Front-end developer   July 2014

- Developed user interface for Gather, a matchmaking app for small (5-12 person) activities.
- Won top-10 hack among 300 total submissions in Facebook's largest internal hackathon.
- Integrated Tinder-like double opt-in interface, built in Java, with Parse back-end.

Michigan Autonomous Aerial Vehicles Team
Navigation subteam, Embedded subteam   September 2011 – December 2013

- Developed path planning algorithms and ground control station for an autonomous aerial robot.
- Improved onboard controller capabilities for short-term path planning.

SKILLS

Python, Java, PostgreSQL, Javascript, C++, Android development, Linux/UNIX, C#, CSS, Pig, Hadoop