



MAX AUBAIN, PH.D.






FULL STACK DEVELOPER

Project management • Start-up leadership • Client satisfaction

PERSONAL

- I am a web developer with 10+ years experience in emerging technologies.
- I have a proven record in start-up environments and excel at prototyping engineering products.
- I enjoy working with a motivated team.

CONTACT

-  Boston, MA
-  maxaubain@protonmail.com
-  <https://www.linkedin.com/in/maxaubain/>
-  <https://www.maxaubain.com/>
-  <https://github.com/maxAubain>

PROGRAMMING

Scripting

- Ruby
- JavaScript
- MATLAB

Markup

- HTML5
- CSS3
- Markdown
- HAML
- LaTeX

Visual "Language"

- LabVIEW

TL ; DR .

A listing of my developer projects and technology reviews can be found on my website portfolio page:

<https://www.maxaubain.com/portfolio>

- **US Citizen.**
- **Available for work and relocation immediately.**

EDUCATION

- **Ph.D. Materials Science and Engineering**
University of California, San Diego, California, USA, 2013
- **B.S. Materials Science and Engineering**
Cornell University, New York, USA, 2007
- **Full-Stack Developer Bootcamp**
Craft Academy, Stockholm, Sweden, 2019
- **Leadership and Teamwork Program**
University of California, San Diego, California, USA, 2015
- **U.S. Patent Agent, Registration No. 77,295**
Practicing Law Institute (PLI) Independent Study, USA, 2018

SKILLS, TOOLS & TECHNOLOGY

Skills

- Agile / Scrum / Kanban
- Technical project management
- Executive reports
- Leadership and mentorship
- Personally driven and team oriented
- Emergent technology researcher

Tools & Technology

Web development

Back end

- Rails, Node, SQL

Front end

- React

Testing

- Unit and feature/acceptance

Cloud Services

- Netlify, Heroku

Version Control

- Git, Github

Project Management

- Jira, Pivotal Tracker, Gantt

Development Frameworks

- CORS, REST APIs
- MVC
- TDD, BDD

WORK EXPERIENCE

FULL STACK DEVELOPER

MAY 2019 - CURRENT

- Finished in top of class at Craft Academy boot camp.
- Received full time offer at [Sellpy](#) in Stockholm that I unfortunately had to decline due to an emergency move for family medical care.

PATENT AGENT

Daylight Law P.C.

APR 2018 - JAN 2019

- Rapidly developed fluency in a diverse range of developing technologies, including automated machinery, data encryption, point-of-sale systems, AI machine learning, security and surveillance, image processing, and microwave devices.
- Drafted patent applications and responses to Office Actions; performed docketing; and interviewed inventors.

SENIOR DESIGN ENGINEER AND PROJECT MANAGER

Qualcomm, Inc.

OCT 2015 - JAN 2016

Silanna Semiconductor

APR 2013 - SEPT 2015
AUG 2016 - APR 2017

IO Semiconductor

MAR 2011 - APR 2013

- Managed technical projects with contributors over multiple international teams (Finland, Netherlands, Taiwan) to complete and deliver on-time requirements for 30 distinct chipsets in RF and power converter markets, worth ~\$22 million in sales.
- Responsible for development of laboratory testing and automation, computational simulations, and data analysis.
- Produced and delivered executive reports to VPs and Principal Engineers.
- Hired in group of first five employees of RF technology start-up company that produced chipsets, now used in today's Apple and Samsung smartphones.

GRADUATE RESEARCHER

University of California, San Diego

SEP 2008 - MAR 2013

- Produced dissertation on heat transport in semiconductor thin films.
- Developed automated experimental apparatus to optically measure temperature with best-in-class resolution.

LAB INSTRUCTOR

University of California, San Diego

SEP 2007 - MAR 2011

- Awarded "Excellence in Teaching" recognition.
- Taught and graded lab reports for up to 120 students per quarter.