

# First Last

## Embedded System Engineer

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Embedded system engineer with 8 years of experience and a passion for bringing products to life. Has an excellent track record in firmware development, hardware integration, and product launches. Key achievement: contributed to the design and development of the popular Growthsi heartbeat tracker which boosted sales revenue by \$8M in 2014.

### RELEVANT WORK EXPERIENCE

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#### Resume Worded, New York, NY

2015 – Present

##### Embedded System Engineer

- Designed 10 algorithms for a Programmable Logic Controller (PLC) which uses CAN bus to communicate with sensors, cameras, and motors helping to reduce errors by 90%.
- Suggested recommendations for changes to 11 software development guidelines and standards, which helped to reduce the overheating of Central Processing Units (CPU ) by 70%.
- Conceived and developed 7 algorithms that detected foreign objects e.g. coins between 10 wireless chargers and phones, technology was patented and sold for \$25M.
- Developed and tested an RW proprietary software using VectorCAST, and successfully increased the MC-DC coverage of its component to 99%.

#### Growthsi, San Francisco, CA

2013 – 2015

##### Electrical Engineer

- Analyzed and tested 45 circuits to evaluate performance and suggest recommendations and updates based on simulations, successfully improved reliability by 80%.
- Designed linear circuits using complex analysis increasing production efficiency by 45%.
- Contributed to the design and development of the popular Growthsi heartbeat tracker which boosted sales revenue by \$8M in 2014.
- Experimented with electrical components using simulation, and developed strategies that improved operating efficiency by 70% saving Growthsi \$300K per annum.

#### Resume Worded Exciting Company, San Francisco, CA

2011 – 2013

##### Software Developer

- Increased customer conversion rate by 70% via A/B testing of different components representing \$900K in incremental annual revenue for RW.
- Added 7 new features to an RW fitness app which has 2M monthly users by enabling video and audio uploads using React and Redux.
- Contributed to the RW in-house User Interface (UI) library by creating reusable components that saved 200 hours of development per quarter.

### EDUCATION

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#### Resume Worded University, New York, NY

Bachelor of Science — Electrical Engineering and Computer Science

### SKILLS

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**Technical Skills:** Electronics (Advanced), Firmware (Experienced), Microcontrollers, Embedded C, Arduino, I2C.

**Languages:** English (Native), German (Fluent), French (Conversational)