# Chelsea Jan

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## Experience

### illumina / Product Manager II

NOV 2019 - PRESENT, SAN DIEGO

— Recognized for Q3 2019 Company Values Award “We are Relentless in the Creation of Great Products”
— Managing the delivery of 3 major cross-site instrument software releases

### illumina / Product Manager I

OCT 2018 - NOV 2019, SAN DIEGO

— Led & facilitated Agile Development Model for 2 remotely-located software teams and aligned to SDLC
— Presented design proposal and interim software development status to Project Approval Committee for NovaSeq 6000 (strongest instrument platform revenue generator of over $2B in ~2 years)
— Represented Software Development Dept. for 3 major cross-functional Instrument Platform Core Teams
— Prevented project delay of 8 weeks by eliciting major timeline risks between 3 major projects
— Collaborated with Marketing and UX teams to develop design proposals and software requirements that promotes user connectivity between customer-facing software to Illumina’s cloud service offerings
— Prioritized and managed software product backlog and defects during development in a CI/CD pipeline (Github, TeamCity, Jira)
— Mentored 2 junior engineers within Software Systems Engineering team

### illumina / Software Test Engineer 1

JUNE 2018 - OCT 2018, SAN DIEGO

— Developed test plans and executed test protocols to carry out integration and regression tests

### UCSD Bioengineering / Teaching Assistant

JAN 2018 - MAR 2018, SAN DIEGO

— Directed a class of 36 students in a design lab course focused in solving biomechanics and electrophysiology problems
— Facilitated open lab hours outside of lecture to guide students through weekly lab experiments, proper instrumentation usage, analysis protocols

### UCSD Cardiovascular Imaging Lab / Research Assistant

JUNE 2017 - JUNE 2018, SAN DIEGO

— Developed (publication in review) a computational protocol that identifies key topographical features of the left atrial appendage in CT images
— Developed an image processing pipeline to reconstruct 3D volumetric objects using skeletonization and hole-filling techniques using Python and MATLAB

### Reveal Biosciences / Software Engineering Intern

JAN 2018 - JUNE 2018, SAN DIEGO

— Developed deep learning classification algorithms for computational pathology image analysis in Python
— Integrated existing tools to streamline the processing of whole slide images (large data volume)

### Abbott Laboratories / Systems Engineering Intern

JULY 2016 - DEC 2016, SAN DIEGO

— Led a team of 6 engineers to conduct formal system-level verification testing for Confirm Rx™ Insertable Cardiac Monitor (ICM), world’s first smartphone-compatible ICM (CE Mark Approved and FDA cleared)
— Developed a traceable, maintainable module in IBM Rational DOORS to effectively communicate UI design specifications for the future generation Confirm Rx™ ICM and presented to senior management
— Performed formal software verification testing for mobile applications (Android) using C# test scripts

## Skills

### Front-End Development

HTML5
CSS3
Bootstrap
SASS
JavaScript
Angular
Adobe XD
Adobe Photoshop
Balsamiq
Responsive Design
Accessible Design

### Systems Engineering

FMEA
Jama
Requirements
Wireframing
Software Design
User Needs
SW-FW Integration

### Project Management

Jira
Risk Analysis
Resourcing
Process Strategy
Agile Scrum
Project Planning

## Certifications

### Front-End Development

*Issued by UC San Diego Extension*
**JAN 2020 — Present**

### Scrum Product Owner

*Issued by Agile for All*
**OCT 2018**

### Lean Six Sigma (Yellow Belt)

*Issued by UC San Diego*
**MAY 2017**

## Education

### University of California, San Diego

B.S. Bioengineering: BioSystems
*Focused in Control Systems & DSP*
**SEPT 2013 - JUNE 2018**